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AUTHOR Inman, Deborah; And Others
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ABSTRACT

This report presents a fiscal analysis of Howard University (District of Columbia) including: (1) general education revenues; (2) education and general expenditures; and (3) faculty salaries. The study compared Howard University to four different groups of higher education institutions: similar private institutions with hospitals; public universities with hospitals; competitor institutions (institutions preferred by students who declined Howard University admittance); and historically Black colleges and universities (HBCUs). Key findings with respect to revenues included: the university received more than twice as much revenue as competitor institutions and three times more revenue than HBCUs but less than that of private institutions with hospitals, and the university received 1% of total revenues from endowment income. Key findings with respect to expenditures included: Howard University spent $22,843 per full-time equivalent student, midway between private and public universities with hospitals; Howard spent only 6% of its expenditures on research; and Howard spent more for plant operation and maintenance than any of the comparison groups did. Other findings indicated that 78% of Howard's full-time faculty had Ph.D.'s and that its faculty salaries and benefits were comparable to those at public institutions with hospitals. An appendix includes a comparative fiscal analysis. (DB)

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HOWARD UNIVERSITY:
A Comparative Fiscal Analysis

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HOWARD UNIVERSITY:

A COMPARATIVE FISCAL ANALYSIS

Deborah Inman
Rita J. Kirshstein
Valentina Tikoff
Kirsten Blackwill

April 1990

Pelavin Associates, Inc.
2030 M Street, N.W., Suite 800
Washington, D.C. 20036

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HOWARD UNIVERSITY: A COMPARATIVE FISCAL ANALYSIS

EXECUTIVE SUMMARY

The United States Congress requested the U.S. Department of Education to conduct a full analysis of Howard University. This is the first of several reports we are preparing in response to that request. This report analyzes: (1) general education revenues; (2) education and general expenditures; and (3) faculty salaries. Further analyses of Howard University will examine student characteristics and outcomes and overall management issues.

The analyses in this report compare Howard University to four different groups of higher education institutions. The four groups identified for this report are:

- Selected private institutions with hospitals--institutions chosen by Howard University because they are private institutions that offer similar curricula and degrees at the undergraduate, graduate and professional levels;
- Public universities with hospitals--research universities that, like Howard University, receive a large share of revenue from government appropriations;
- Competitor institutions--institutions that undergraduate students who declined admittance to Howard University chose to attend; and
- Historically Black Colleges and Universities (HBCUs)--institutions, like Howard University, that serve predominantly black student populations.

Each of these groups provides a different perspective from which to assess the operation of Howard University as a major higher education institution in the country.

All revenue and expenditure data are for academic year 1985-86 and are presented in terms of funds received or spent per full-time equivalent student (FTE). Analyses of expenditure and revenue data indicate that Howard University's revenues are largely generated from the same sources as public institutions, i.e., governmental, but its expenditures resemble those of large private institutions. Although an HBCU, Howard University's fiscal data reveal more striking

similarities with the private and public institutions with hospitals than with HBCUs or competitor institutions. With respect to revenues, comparisons of Howard University and the comparison groups reveal the following:

- At $23,325 per FTE, Howard University's revenues were between those of the private institutions with hospitals ($29,131) and those of the public institutions with hospitals ($15,518). Howard University received more than twice as much revenue as the competitor institutions ($9,983) and three times more revenue than the HBCUs ($7,687).

- Although a private university, Howard University received relatively small revenue shares from many of the principal revenue sources of other private universities. Tuition and fees, grants and contracts (Federal, state and private), and endowment income are examples of revenue sources from which Howard University received less than half as many funds as the selected private universities with hospitals.

- Both Howard University and public institutions with hospitals received over 50 percent of their revenue from government appropriations and less than 20 percent from tuition and fees. The main difference is that Federal funds supported Howard University, whereas the public institutions with hospitals received state appropriations.

- Howard University received one percent ($225 per FTE) of total revenues from endowment income. The comparison institutions endowment income ranged from one percent of total revenues among public institutions with hospitals ($157) to slightly more than ten percent among selected private institutions with hospitals ($2,943).

Some key findings concerning Howard University's expenditures are as follows:

- In terms of total expenditures per FTE, Howard University spent $22,843 per FTE; this placed Howard University squarely between the public schools with hospitals at $14,728 and the selected private universities with hospitals at $30,648. Howard University's expenditures were significantly above the competitor institutions ($10,073) and HBCUs ($8,408).

- When research is removed from total expenditures, Howard University's expenditures more closely resemble those of the selected private universities with hospitals. Excluding research, the difference between the two is less than $2,000 per FTE.

- Howard University did not spend as much on research as did the selected private institutions with hospitals or public institutions with hospitals. Indeed, Howard University spent only six percent ($1,332) of its per-FTE expenditures on research, compared to 24 percent ($7,305) dedicated to research among the private

institutions with hospitals, and 16 percent ($2,315) among public institutions with hospitals. The competitor institutions and HBCUs spent 12 percent ($1,229) and five percent ($423) on research, respectively.

- In terms of dollars spent on academic expenditures ($9,579 per FTE), Howard University ranked below the selected private institutions with hospitals but above all other comparison groups. The average competitor institution spent a similar budget share on academic expenses (46 percent of total expenditures less research, compared to 45 percent at Howard) though less than half the dollar amount per FTE ($4,029).

- Howard University spent substantially more for total administrative expenses than any other type of institution. Howard University spent $5,981 (28 percent of total expenditures less research) per FTE on administrative costs; the selected private institutions with hospitals ranked second in total dollars spent on administration at $4,642 (20 percent of total expenditures less research). All other comparison groups spent less than half as much money on administrative expenditures as Howard University.

- Howard University also spent significantly more for plant operation and maintenance (14 percent) than any of the comparison groups. At $3,092, Howard University spent 1.2 times more than its selected private institutions with hospitals and more than twice as much as each of the other groups on plant operation and maintenance.

Of Howard University's full-time faculty, 78 percent had Ph.Ds. This is the same percentage as for the public institutions with hospitals group. The only comparison group with a higher proportion of full-time faculty was the selected private institutions with hospitals. Moreover, the ratio of FTE students to full-time faculty was lower at Howard University (8.2 to one) than at any comparison group. Howard University also had a substantially larger percentage of part-time faculty (37 percent) than any comparison group.

With respect to faculty salaries and benefits, Howard University paid its faculty considerably less than the selected private institutions with hospitals, particularly in the upper ranks. Its salaries and benefits were fairly comparable, however, to the public institutions with hospitals. Comparisons could not be made with the competitor institutions or the HBCUs because several of the HBCUs did not participate in the faculty salary survey.

Introduction

Howard University is a private, non-profit Historically Black Institution located in the District of Columbia. It was founded on March 2, 1867 by an Act of Congress which officially incorporated the University. Since its founding "" ward University has continuously received Federal support for its construction and general operating expenses.

Howard University offers a comprehensive program at the undergraduate, graduate and professional levels. Its 18 schools and colleges are attended by some 9,896 full-time equivalent students (74 percent undergraduate and 26 percent graduate). Howard University has Master's degree programs in over 85 areas and doctoral-level programs in 23 fields.

In Fiscal Year (FY) 1990, direct Federal appropriations for Howard University equalled $182.4 million, an increase of $3.5 million over the FY 1989 appropriation and $3 million less than the FY 1991 budget request. The Federal appropriation currently provides almost 70 percent of the University's education and general expenditures. Howard University also receives $18.5 million in Federal student assistance funds and $9.9 million through other Federal grant and research programs.

The United States Congress requested that the U.S. Department of Education conduct a full analysis of Howard University. This report is the first part of the Department's response to the Congressional mandate. It provides analyses of: (1) education revenues; (2) educational expenditures; and (3) faculty salaries at Howard University. Further analyses of Howard University will examine student characteristics and outcomes and overall management issues.

Methodological Approach

This report compares revenue, expenditure, and salary data on Howard University to other similar schools. Because it is difficult to select one group of higher education institutions

that is truly comparable to Howard University, this report uses four comparison groups. Each of the four groups provides a different perspective from which to assess the operation of Howard University as a major U.S. university.

The four groups identified for this report are:

- Selected Private Institutions with Hospitals. Eleven private universities with hospitals, which Howard University chose as the appropriate comparison group.
- Public Institutions with Hospitals. Eleven public universities whose enrollment sizes are most comparable to Howard University.
- Competitor Institutions. Fifteen public and private colleges and universities attended by undergraduate students who were admitted to Howard University, but chose not to enroll there.
- Historically Black Colleges and Universities (HBCUs). Fourteen of the larger HBCUs, seven of which are public and seven private.

The institutions within each of these four groups are listed in Tables 1-4, along with their location, enrollment size, and enrollment composition.

The comparison group that Howard University chose consists of private, research universities with hospitals. These institutions include some of the most prominent and costly higher education institutions in this country. Howard University selected these institutions as comparable because they offer similar curricula and degrees at the undergraduate, graduate, and professional levels. The second group, public universities with hospitals, was chosen because Howard University receives an extremely large share of its revenue from governmental (i.e., Federal) appropriations. In this respect, despite the fact that Howard University is a private university, it is more similar to public institutions.

Student characteristics motivated the selection of the last two comparison groups. The competitor institutions include schools that undergraduate students who applied to and were accepted by Howard University actually attended instead of Howard University. The group of

Table 1

Selected Private Institutions with Hospitals

Institution	Enrollment*	% Undergraduate	% Graduate
Case Western Reserve University Cleveland, Ohio	8257	36%	64%
University of Chicago Chicago, Illinois	8600	37%	63%
Duke University Durham, North Carolina	9795	59%	41%
Emory University Atlanta, Georgia	8604	57%	43%
Georgetown University Washington, D.C.	11438	48%	52%
The Johns Hopkins University Baltimore, Maryland	3827	70%	30%
University of Rochester Rochester, New York	7269	64%	36%
Stanford University Stanford, California	13292	49%	51%
Tulane University New Orleans, Louisiana	9247	59%	41%
Vanderbilt University Nashville, Tennessee	9656	53%	47%
Yale University New Haven, Connecticut	10699	49%	51%
Howard University	9896	74%	26%

* Total Enrollment 1988, Peterson's Four-Year Colleges 1989 data and ARCO The Right College 1989 data.

Table 2

Public Institutions with Hospitals

Institution	Enrollment*	% Undergraduate	% Graduate
University of Alabama at Birmingham Birmingham, Alabama	14245	69%	31%
University of California-Irvine Irvine, California	15139	82%	18%
University of Cincinnati Main Campus Cincinnati, Ohio	21844	71%	29%
University of Illinois-Chicago Chicago, Illinois	23913	66%	44%
Indiana University-Purdue University at Indianapolis Indianapolis, Indiana	10581	91%	9%
University of Kentucky Lexington, Kentucky	22004	78%	22%
University of Missouri-Columbia Columbia, Missouri	22796	74%	26%
University of North Dakota Main Campus Grand Forks, North Dakota	11181	86%	14%
Temple University Philadelphia, Pennsylvania	25653	64%	36%
University of Utah Salt Lake City, Utah	24611	83%	17%
Virginia Commonwealth University Richmond, Virginia	20485	72%	28%
Howard University	9896	74%	26%

* Total Enrollment 1988, Peterson's Four-Year Colleges 1989 data and ARCO The Right College 1989 data.

Table 3

Competitor Institutions

Institution	Enrollment*	% Undergraduate	% Graduate
Private			
Clark College Atlanta, Georgia	2044	100%	0%
Hampton University (Institute) Hampton, Virginia	3794	100%	0%
Morehouse College (men only) Atlanta, Georgia	2229	100%	0%
Spelman College (women only) Atlanta, Georgia	1731	100%	0%
Xavier University of Louisiana New Orleans, Louisiana	2049	88%	12%
Public			
Florida A&M University Tallahassee, Florida	5949	96%	4%
University of Maryland-Baltimore County Catonsville, Maryland	7101	84%	16%
University of Maryland-College Park College Park, Maryland	33303	74%	26%
University of Michigan Ann Arbor, Michigan	34847	64%	36%
Michigan State University East Lansing, Michigan	50739	83%	17%
Morgan State University Baltimore, Maryland	4500	100%	0%
North Carolina A&T State University Greensboro, North Carolina	5373	87%	13%
Rutgers University (Rutgers College) New Brunswick, New Jersey	8347	100%	0%
Temple University Philadelphia, Pennsylvania	25653	64%	36%
University of Virginia Charlottesville, Virginia	16657	66%	44%
Howard University	9896	74%	26%

* Total Enrollment 1988, Peterson's Four-Year Colleges 1989 data and ARCO The Right College 1989 data.

Table 4

HBCUs

Institution	Enrollment*	% Undergraduate	% Graduate
Private			
Bethune-Cookman College Daytona Beach, Florida	1768	100%	0%
Florida Memorial College Miami, Florida	2172	100%	0%
Hampton University (Institute) Hampton, Virginia	3794	100%	0%
Morehouse College (men only) Atlanta, Georgia	2229	100%	0%
Spelman College (women only) Atlanta, Georgia	1731	100%	0%
Tuskegee University (Institute) Tuskegee, Alabama	3300	94%	6%
Xavier University of Louisiana New Orleans, Louisiana	2049	88%	12%
Public			
Univ. of Arkansas at Little Rock Little Rock, Arkansas	10141	87%	13%
Univ. of the District of Columbia Washington, D.C.	9600	84%	16%
Florida A&M University Tallahassee, Florida	5949	96%	4%
Jackson State University Jackson, Mississippi	6030	84%	16%
Norfolk State University Norfolk, Virginia	7721	91%	9%
North Carolina A&T State University Greensboro, North Carolina	5373	87%	13%
Texas Southern University Houston, Texas	9002	78%	22%
Howard University	9896	74%	26%

* Total Enrollment 1988, Peterson's Four-Year Colleges 1989 data and ARCO The Right College 1989 data.

HBCUs allows for comparisons to other schools that serve predominantly black students as does Howard University. Howard University is also an HBCU, although it is much larger and offers more undergraduate and graduate programs than most other HBCUs.

Using multiple comparison groups highlights the unique character of Howard University and provides a variety of perspectives from which to view the University. Data concerning each of the four comparison groups is presented in two forms: 1) averages for the group, and 2) individual institutional data. The first format facilitates summary comparisons of Howard University to each institution type. The second format, presented in Appendix tables, allows for more detailed institutional comparisons between Howard University and other specific institutions.

Data Sources

Data from the 1985-86 Higher Education General Information Survey (HEGIS) are used extensively in this report because they are the most comprehensive data available for fiscal analyses of postsecondary institutions. Although some accounting variations may occur in institutional reporting, these data are the most comparable available. HEGIS collects data annually on opening fall enrollments, expenditures and revenues, faculty salaries, degrees awarded, and general institutional characteristics. The 1985-86 HEGIS fiscal data are the most recent available. Unless otherwise indicated, data reported in the text and tables are taken from HEGIS.

The analyses of faculty salaries use data from the American Association of University Professors' (AAUP) 1987-88 Annual Report on the Economic Status of the Profession. Every year, AAUP gathers data on average faculty salaries and benefits by rank. The 1987-88 survey is the most recent year in which Howard University responded to the survey.

Additional data on faculty are drawn from the College Board's 1988-89 Annual Survey of Colleges. This data source provides information on faculty characteristics such as percent with Ph.D.s, percent part-time, and student to faculty ratios.

Analyses

The fiscal analyses that follow assess how Howard University received and spent money relative to other institutions. These analyses focus on general educational revenue and education and general (E & G) expenditures. This focus eliminates expenditures and revenues such as hospitals and student housing, which can vary considerably across institutions and are not directly related to the educational mission of postsecondary institutions. Limiting the analysis in this way thus enhances comparability across institutions. Detailed descriptions of revenue and expenditure categories used in this report are presented in Figures 1 and 2.

Moreover, revenue and expenditure figures are presented in terms of funds received or spent per full-time equivalent student (FTE). FTE calculations convert three part-time students into one full-time student and add these to the number of students enrolled full-time. Reporting revenues and expenditures per FTE further enhance comparability across institutions with very different enrollment sizes and proportions of full-time and part-time students.

Given the tremendous variation in total budget size among the groups, the analysis of dollar amounts gives only part of the picture. It is important also to examine the percent of the budget, or budget share, that each figure represents. These are discussed in the following two sections, beginning with revenues and concluding with expenditures.

The findings of this study indicate that Howard University operates like a public institution in some aspects and like a private institution in others. Specifically, Howard University's revenues are largely generated from the same sources as public institutions, i.e.,

Figure 1

Definitions of Revenue Categories

Revenues

Tuition and Fees - includes all tuition and fees assessed against students, including tuition and fee remissions and exemptions.

Federal Appropriations - includes all amounts made available to the institution through acts of a legislative body, except grants or contracts. These funds are for meeting current operating expenses and not for specific projects or programs.

State and Local Appropriations - includes funds received by the institution as a result of state and local legislation, excluding grants or contracts.

Federal Grants and Contracts - includes revenues from Federal government agencies which are for specific research projects or other types of programs.

State and Local Grants and Contracts - includes revenues from state and local government agencies designated for specific research, training or other types of programs.

Private Grants and Contracts - includes revenues from private donors and funds for which specific goods and services must be provided to the funder as a stipulation for receipt of the funds. Includes only those gifts, grants, and contracts that are directly related to instruction, research, or public service.

Endowment Income - includes (1) the unrestricted income of endowment and similar funds; (2) restricted income of endowment and similar funds to the extent expended for current operating purposes; and (3) income from funds held in trust by others under irrevocable trusts.

Sales and Services of Educational Activities - includes revenues from the sales of goods or services that are incidental to providing instruction, research or public service; examples include film rentals, scientific and literary publications, testing services, university presses and dairy products.

Figure 2

Definitions of Expenditure Categories

Expenditures

Academic - expenditures for the services that are integral to the instruction and research of the institution, specifically including instructional costs and library costs.

> **Instruction** - expenditures for direct instructional activities, including faculty salaries.
>
> **Libraries** - expenditures for the operation of libraries, including book acquisitions and compensation of library personnel.

Administrative - expenditures for the services that are primarily related to the administration of the institution, including student services, institutional support and academic support.

> **Student Services** - funds expended for various direct services to students, including admissions, career guidance, counseling, financial aid administration, and student health services,
>
> **Institutional Support** - expenditures for the day to day operation of the institution, excluding physical plant operations; includes executive direction and planning, and legal and fiscal operations.
>
> **Academic Support** - expenditures for support services that are integral to the administration of academic and instructional services, including academic computing, ancillary support, and academic administration.

Scholarships - includes grants and stipends awarded to students enrolled in formal coursework, as well as aid to students in the form of tuition or fee remissions.

Research - funds expended for activities specifically related to produce research outcomes.

Plant Operation and Maintenance / Mandatory Education Transfers - all expenditures for operations established to provide service and maintenance related to campus grounds and facilities. This category also includes Mandatory Education Transfers since mandatory debt provisions relate to academic and administrative facilities. Mandatory transfers from current funds are those that must be made in order to fulfill a binding legal obligation of the institution. It should be noted that mandatory education transfers contribute an extremely small percentage of the dollar amount in this category.

Public Service - funds expended for community seminars or projects, and cooperative extension services.

governmental, but the amount of revenue per FTE is much larger than at public institutions, and in fact is more like the amount of revenues generated at large, private universities. With respect to expenditures, Howard University, like every comparison group, spent the largest portion of total expenditures on academic costs (instruction and libraries). However, Howard University spent considerably more funds per FTE than any of the comparison groups on administrative costs.

Revenues

An analysis of revenues involves an examination of the total amount of revenue received and the sources of those funds. In terms of the total amount of revenues received, Howard University is situated between the selected private institutions with hospitals and the public institutions with hospitals. However, the sources of Howard University's revenues are far more similar to those of public institutions with hospitals than to any other comparison group.

There are large differences in the total amounts of revenue received by Howard University and the comparison groups. At $23,325 per full-time equivalent (FTE) student in 1985-86, Howard University's revenues were 20 percent below those of the selected private institutions with hospitals ($29,131), but 50 percent above those of the public institutions with hospitals ($15,518). Howard University received more than twice as much revenue per student as the competitor institutions ($9,983) and three times more revenue per student than the HBCUs ($7,687). Clearly, Howard University has considerably more resources to educate its students than do the HBCUs and competitor institutions. This may be due to the fact that the HBCU group, more so than any other comparison group, is comprised of small, predominantly undergraduate institutions, which tend to have low revenues and expenditures per FTE. Revenues by category and corresponding budget shares for Howard University and the comparison groups are presented in Tables 5 and 5A.

TABLE 5

HOWARD UNIVERSITY AND COMPARISON GROUPS
GENERAL EDUCATION REVENUE PER FTE
ACADEMIC YEAR 1985-86

	HOWARD UNIVERSITY	SELECTED PRIVATE INSTITUTIONS WITH HOSPITALS	PUBLIC INSTITUTIONS WITH HOSPITALS	COMPETITOR INSTITUTIONS	HBCUs
TUITION AND FEES	$3,999	$9,115	$2,323	$3,109	$2,[illegible]
FEDERAL APPROPRIATIONS	15,230	10	533	26	16
STATE AND LOCAL APPROPRIATIONS	0	228	7,933	3,932	2,650
FEDERAL GRANTS & CONTRACTS	2,066	9,937	2,315	1,655	1,254
STATE & LOCAL GRANTS & CONTRACTS	23	335	370	155	219
PRIVATE GRANTS & CONTRACTS	798	4,478	850	672	551
ENDOWMENT INCOME	225	2,943	157	262	236
SALES AND SERVICES OF ED. ACTIVITIES	983	2,086	1,038	174	68
GENERAL EDUCATION REVENUE	$23,325	$29,131	$15,518	$9,983	$7,687

TABLE 5A

HOWARD UNIVERSITY AND COMPARISON GROUPS
GENERAL EDUCATION REVENUE PER FTE
BUDGET SHARE
ACADEMIC YEAR 1985-86

	HOWARD UNIVERSITY	SELECTED PRIVATE INSTITUTIONS WITH HOSPITALS	PUBLIC INSTITUTIONS WITH HOSPITALS	COMPETITOR INSTITUTIONS	HBCUs
TUITION AND FEES	17.1%	31.3%	15.0%	31.1%	35.1%
FEDERAL APPROPRIATIONS	65.3	0.0	3.4	0.3	0.2
STATE AND LOCAL APPROPRIATIONS	0.0	0.8	51.1	39.4	34.5
FEDERAL GRANTS & CONTRACTS	8.8	34.1	14.9	16.6	16.3
STATE & LOCAL GRANTS & CONTRACTS	0.1	1.1	2.4	1.5	2.8
PRIVATE GRANTS & CONTRACTS	3.4	15.4	5.5	6.7	7.2
ENDOWMENT INCOME	1.0	10.1	1.0	2.7	3.1
SALES AND SERVICES OF ED. ACTIVITIES	4.2	7.2	6.7	1.7	0.9
GENERAL EDUCATION REVENUE	100.0%	100.0%	100.0%	100.0%	100.0%

Although a private university, Howard University received comparatively small dollar amounts and budget shares of revenue per FTE from many of the traditional revenue sources of private universities. Howard University received considerably less revenue than the selected private institutions with hospitals from several of these sources, including tuition and fees, Federal grants and contracts, private grants and contracts, and endowment. For example, tuition and fee revenue per FTE at Howard University was $3,999 and accounted for 17 percent of total revenue, while the selected private institutions with hospitals received $9,115 per FTE, or 31 percent, from this source. Howard University also received comparatively little revenue (12 percent) from Federal, state, and private grants and contracts, compared to 51 percent among the selected private institutions with hospitals. Since grants and contracts primarily fund research projects, differences in the amount of revenue generated by grants and contracts indicate the degree to which sponsored research activity characterizes an institution. Clearly, the selected private institutions with hospitals rely more on research grants and contracts than does Howard University.

Howard University's revenue pattern is much more similar to that of the public institutions with hospitals. Both received over half of their revenue from government appropriations. The main difference is that Federal funds supported Howard University, whereas the public institutions with hospitals received state appropriations. This high level of governmental support to both undoubtedly helps to keep tuition and other student fees low, thus explaining the low budget shares provided by tuition and fee revenues (less than 20 percent) at public institutions with hospitals and Howard University. One important difference is that the public institutions with hospitals, like the selected private institutions with hospitals, received more revenue per FTE (and a larger budget share) from grants and contracts. Again, this indicates the research orientation of these institutions.

Clearly, revenue patterns are largely shaped by the public/private status of an institution or group of institutions. In general, public institutions rely far more on government appropriations than do private institutions. Because the groups of HBCUs and competitor institutions include both public and private schools, average revenue figures for these groups do not adequately reflect the revenue patterns of specific institutions in these groups. For example, among the seven private institutions in the HBCU comparison group, only Tuskegee University received any state appropriations (5 percent, or $502 per FTE). However, the public HBCUs received between 50 percent ($3,152 at Jackson State University) and 83 percent ($9,658 at the University of the District of Columbia) of total revenue from state appropriations. Therefore, the average state appropriation of 35 percent for all HBCUs masks the difference in revenue sources for public and private HBCUs. This is true for the competitor institutions, as well.

Endowments

Another source of income for many postsecondary institutions is endowment. However, money received each year through contributions to endowments is not considered in calculations of revenue, since most institutions do not spend the principal of their endowment for current operating expenses. The funds generated by interest and investment of endowment funds--endowment income--are considered a revenue source. Endowment varies tremendously among institutions. Clearly, institutions with low endowments receive only modest endowment income. However, for institutions with large endowments this income can comprise a comparatively large portion of total revenues. As seen in Table 5A, endowment revenues per FTE at Howard University were one percent while at the comparison institutions endowment revenues ranged from one percent of total revenue among public institutions with hospitals to slightly more than ten percent among selected private institutions with hospitals. The amount of revenue generated by endowment varied greatly, as well. Howard received $225 per FTE from endowment income;

the group of public institutions with hospitals received the least revenue from this source ($157) and the selected private institutions with hospitals received the most ($2,943).

The issue of endowments is particularly important to Howard University. As an incentive to reduce long-term Federal funding requirements, the Federal government matches endowments to Howard from non-Federal sources. The University can withdraw up to one half of the income earned each year to meet operating costs.

The market value of Howard University's endowment in 1985-86 was $6,067 per FTE. This was greater than the endowments at both the HBCUs and the public institutions with hospitals, and quite similar to the endowment size among competitor institutions ($6,499). However, Howard University's endowment was dwarfed by that of the selected private institutions with hospitals, whose average endowment was $69,038 per FTE, more than eleven times greater. Table 6 presents the market value of the endowment at Howard University and averages for each comparison group.

Expenditures

Total expenditures, as would be expected, are roughly equal to general education revenues. They are not identical, however, because other sources or income, such as hospital revenue and sales from educational activities may compensate for educational and general expenditures that exceed general education revenue. Expenditures by category are presented for Howard University and the comparison groups in Table 7.

Expenditures in this report are computed and presented in two ways: 1) including research in the total; and 2) excluding research from the total to show money spent on non-research expenditures. Removing research expenditures may provide a better idea of the allocation of student-focused funds. Because research forms such a large budget share in some institutions, the differences between the two computations can be significant. Tables 7A presents

TABLE 6

HOWARD UNIVERSITY AND COMPARISON GROUPS
ENDOWMENT PER FTE
ACADEMIC YEAR 1985-86

	HOWARD UNIVERSITY	PUBLIC INSTITUTIONS W/HOSPITALS	PUBLIC SCHOOLS WITH HOSPITALS	COMPETITOR SCHOOLS	HBCUs
MARKET VALUE OF ENDOWMENT AT THE END OF THE FISCAL YEAR	$6,067	$69,038	$2,744	$6,499	$2,629

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TABLE 7

HOWARD UNIVERSITY AND COMPARISON GROUPS
EDUCATIONAL AND GENERAL EXPENDITURES PER FTE
ACADEMIC YEAR 1985-86

	HOWARD UNIVERSITY	SELECTED PRIVATE INSTITUTIONS WITH HOSPITALS	PUBLIC INSTITUTIONS WITH HOSPITALS	COMPETITOR INSTITUTIONS	HBCUs
TOTAL ACADEMIC	$9,579	$12,764	$6,562	$4,029	$3,150
Instruction	8,798	11,632	6,112	3,696	2,925
Libraries	781	1,132	451	333	226
TOTAL ADMINISTRATIVE	5,981	4,642	2,611	2,264	2,212
Student Services	1,237	1,042	492	556	588
Institutional Support	3,715	2,427	1,149	1,194	1,243
Academic Support	1,029	1,173	970	514	381
SCHOLARSHIPS	1,135	2,904	726	1,051	1,348
RESEARCH	1,332	7,305	2,315	1,229	423
PLANT OP., MAINTENANCE, MANDATORY ED. TRANSFER	3,092	2,464	1,412	1,159	968
PUBLIC SERVICE	1,725	569	1,101	343	308
TOTAL E & G EXPENDITURES	$22,843	$30,648	$14,728	$10,073	$8,408
TOTAL E & G EXPENDITURES LESS RESEARCH	$21,511	$23,342	$12,413	$8,844	$7,985

TABLE 7A

HOWARD UNIVERSITY AND COMPARISON GROUPS
EDUCATIONAL AND GENERAL EXPENDITURES PER FTE
BUDGET SHARE (INCLUDING RESEARCH)
ACADEMIC YEAR 1985-86

	HOWARD UNIVERSITY	SELECTED PRIVATE INSTITUTIONS WITH HOSPITALS	PUBLIC INSTITUTIONS WITH HOSPITALS	COMPETITOR INSTITUTIONS	HBCUs
TOTAL ACADEMIC	41.9%	41.6%	44.6%	40.0%	37.5%
Instruction	38.5	38.0	41.5	36.7	34.8
Libraries	3.4	3.7	3.1	3.3	2.7
TOTAL ADMINISTRATIVE	26.2	15.1	17.7	22.5	26.3
Student Services	5.4	3.4	3.3	5.5	7.0
Institutional Support	16.3	7.9	7.8	11.9	14.8
Academic Support	4.5	3.8	6.6	5.1	4.5
SCHOLARSHIPS	4.9	9.5	4.9	10.4	16.0
RESEARCH	5.8	23.8	15.7	12.2	5.0
PLANT OP., MAINTENANCE, MANDATORY ED. TRANSFER	13.5	8.1	9.6	11.6	11.5
PUBLIC SERVICE	7.6	1.9	7.5	3.4	3.7
TOTAL E & G EXPENDITURES	100.0%	100.0%	100.0%	100.0%	100.0%
TOTAL E & G EXPENDITURES LESS RESEARCH	-	-	-	-	-

budget shares for Howard University and each of the comparison groups using total expenditures including research. Table 7B calculates budget shares using total expenditures excluding research.

Howard University's total expenditures (including research), at ~2,843 per FTE, placed it between the public institutions with hospitals ($14,728) and the selected private institutions with hospitals ($30,648). However, with research removed, Howard University's expenditures resemble those of the selected private institutions with hospitals. Excluding research, Howard University spent $21,511 per FTE, while the selected private institutions with hospitals spent $23,342 and public institutions with hospitals, $12,413. These figures also indicate that Howard University did not spend as much on research as did either the selected private institutions with hospitals or the public institutions with hospitals. Howard University spent only six percent ($1,332) of its per FTE expenditures on research, compared to 24 percent ($7,305) dedicated to research among the selected private institutions with hospitals and 16 percent ($2,315) among the public institutions with hospitals. Howard University did spend slightly more money on research than the average competitor institution ($1,229 per FTE), though this comparison group spent a considerably larger budget share (12 percent) on research. The HBCUs, on average, spent less in terms of both dollars and budget share on research (5 percent, or $423 per FTE) than did Howard University.

Of all comparison groups, the selected private institutions with hospitals provided the most funding to research in terms of both dollars ($7,305 per FTE) and budget share (24 percent). In fact, each of the selected private institutions with hospitals allocated a larger budget share and more money for research per FTE than did Howard University (six percent and $1,332). Research expenditures ranged from 12 percent ($1,794) at Tulane to 38 percent ($17,486) at Stanford. Of the 11 peer institutions, eight spent 20 percent or more of their

TABLE 7B

HOWARD UNIVERSITY AND COMPARISON GROUPS
EDUCATIONAL AND GENERAL EXPENDITURES PER FTE
BUDGET SHARE (EXCLUDING RESEARCH)
ACADEMIC YEAR 1985-86

	HOWARD UNIVERSITY	SELECTED PRIVATE INSTITUTIONS WITH HOSPITALS	PUBLIC INSTITUTIONS WITH HOSPITALS	COMPETITOR INSTITUTIONS	HBCUs
TOTAL ACADEMIC	44.5%	54.7%	52.9%	45.6%	39.4%
Instruction	40.9	49.8	49.2	41.8	36.6
Libraries	3.6	4.8	3.6	3.8	2.8
TOTAL ADMINISTRATIVE	27.8	19.9	21.0	25.6	27.7
Student Services	5.8	4.5	4.0	6.3	7.4
Institutional Support	17.3	10.4	9.3	13.5	15.6
Academic Support	4.8	5.0	7.8	5.8	4.8
SCHOLARSHIPS	5.3	12.4	5.8	11.9	16.9
RESEARCH	-	-	-	-	-
PLANT OP., MAINTENANCE, MANDATORY ED. TRANSFER	14.4	10.5	11.4	13.1	12.1
PUBLIC SERVICE	8.0	2.4	8.9	3.9	3.9
TOTAL E & G EXPENDITURES	-	-	-	-	-
TOTAL E & G EXPENDITURES LESS RESEARCH	100.0%	100.0%	100.0%	100.0%	100.0%

expenditures on research and nine spent more than $4,000 per FTE on research. (See Tables A7.1 and A7.3 in the Appendix.)

Even the public institutions with hospitals, with a significantly smaller budget, spent almost twice as much on research ($2,315 per FTE, or 16 percent) as Howard University. All 11 institutions within this group spent a larger budget share (though not necessarily more money) on research. Research expenditures ranged from 8 percent ($922) at Temple University to 22 percent ($4,852) at the University of Alabama at Birmingham. (See Tables A13.1 and A13.3 in the Appendix.)

Although Howard University spent more than the average competitor institution on research, several large public research universities in this comparison group spent considerably more money per FTE on research than did Howard University. These institutions include the University of Michigan at Ann Arbor (25 percent, or $4,533), the University of Maryland at College Park (22 percent, or $2,104), Michigan State University (20 percent, or $2,243), the University of Virginia (19 percent, or $2,716), and Rutgers University (14 percent, or $1,345). (See Tables A15.1 and A15.3 in the Appendix.)

Among the HBCUs, only Tuskegee University, North Carolina A & T, and Florida A & M spent a larger budget share of total expenditures on research, though none spent more money per FTE on research than did Howard. (See Tables A9.3 and A11.3 in the Appendix.)

In the remainder of this section, expenditure budget shares are reported using total expenditures less research as a base, unless otherwise noted. As explained earlier, removing the research category from total expenditures essentially limits expenditures to those spent on student-focused activities. Dollar amounts spent in each category are also reported and are not changed by the method of calculating budget shares. (Budget shares using total expenditures including research as a base are included in Table 7A.)

Like all comparison groups, Howard University spent the largest share of its budget (45 percent) on academic costs, i.e., instruction (primarily faculty salaries) and libraries. The comparison group closest to Howard University in terms of budget share allocated to academic costs is the competitor institutions, which spent 46 pe. . t of total expenditures less research on academic matters. The selected private institutions with hospitals and public institutions with hospitals groups spent larger budget shares (55 percent and 53 percent, respectively) and the HBCUs spent a smaller budget share (39 percent) in this category. However, in terms of dollars spent on academic expenditures, Howard University ranked below the selected private institutions with hospitals but above all other comparison groups. Howard University spent $9,579 per FTE on academic matters, approximately 25 percent less than the selected private institutions with hospitals ($12,764) but 46 percent more than the public institutions with hospitals ($6,562).

The comparatively low expenditures for academic purposes among HBCUs ($3,150 per FTE) may be partly explained by the fact that these institutions tend to be small, primarily undergraduate institutions. As such, they have little demand for such costly expenditures as graduate and professional school faculty (who tend to be the highest paid), extensive research library holdings, and other academic products and services that are more characteristic of large research universities.

Another large expenditure category for most postsecondary institutions is administration. Howard University spent substantially more for total administrative expenses than any other type of institution. Howard University spent $5,981 per FTE (28 percent) on administrative costs; selected private institutions with hospitals ranked second in total dollars spent on administration at $4,642 per FTE (20 percent). All other comparison groups spent less than half as much money on administrative expenditures as did Howard University. Total administrative costs are comprised of three subcategories: academic support refers to expenditures for support services

such as academic computing, ancillary support and academic administration; institutional support refers to expenditures for the day-to-day operation of the institution, such as executive direction and planning, and legal and fiscal operations; student services includes funds expended for various direct services to students such as admissions, career guidance, counseling, financial aid, and student health services. The difference between administrative expenditures at Howard University and the comparison institutions is primarily the result of institutional support expenditures where Howard University spent from 1.5 to 3 times more than the comparison groups.

There are several possible reasons why Howard University's administrative expenditures are higher than those of the comparison groups. For example, Howard University could be spending more on administrative salaries than the comparison groups, or they could be providing additional services. In addition, it is possible that schools that spend considerable amounts of money on research may report some administrative costs associated with research as research expenditures rather than administrative. It is also possible that some administrative costs at public universities are not included in the specific institution's budget but are provided through a central state administrative office. A fourth possibility is that Howard University mistakenly classified certain types of expenditures as administrative that should have been included elsewhere, as was the case in the past. (GAO, 1982, "Use of Federally Appropriated Funds by Howard University for Administrative Expenses.") Howard University has improved its reporting procedures since this study was released. Also, we do not know whether other institutions are reporting their data in a similar manner. Future Department of Education analyses of Howard University will examine these issues in more detail.

Howard University's expenditures in two other categories are worth mention. Howard spent significantly more for plant operation and maintenance (14 percent) than any of the

comparison groups. At $3,092 per FTE, Howard University spent 1.2 times more than the selected private institutions with hospitals and more than twice as much as each of the other groups on plant operation and maintenance. Howard University also spent more than any of the other groups on public service. In fact, Howard University spent from 2.1 to 6.5 times more than the comparison groups for public service.

Faculty Compensation

According to College Board data, Howard University had slightly under 1,200 full-time faculty in 1988-89. Of these full-time faculty, 78 percent had Ph.Ds. Howard University also employed approximately 700 part-time faculty in that academic year. The overall student (FTE) to full-time faculty ratio was 8.2 to one. These factors are examined for the four comparison groups in Table 8.

The proportion of full-time faculty with Ph.Ds at Howard University was comparable to the public universities with hospitals, and considerably higher than both the competitor institutions and the HBCUs. The average percentage of Ph.Ds among full-time faculty for the selected private institutions with hospitals was exceptionally high, 97 percent.

Howard University employed a significantly higher percentage of part-time faculty than the four comparison groups. Of the 1,877 faculty members at Howard University, 703, or 37 percent, worked part-time. In contrast, not more than 22 percent of the faculty in any of the comparison groups worked part-time. It is not possible to determine from these data how Howard University used these part-time faculty, although future Department of Education analyses will examine this issue in greater detail.

Without consideration of these part-time faculty, Howard University had a lower ratio of FTE students to full-time faculty than any of the comparison groups. Whereas there were 8.2 students to every full-time faculty member at Howard University, the selected private institutions

TABLE 8

HOWARD UNIVERSITY AND COMPARISON GROUPS
FACULTY CHARACTERISTICS

	Howard University	Selected Private with Hospitals	Public with Hospitals	Competitor Schools	HBCUs
Number of Full-Time Faculty	1174	1160	1630	996	276
Percent of Full-Time Faculty with Ph.Ds	78%	97%	78%	67%	57%
Number of Part-Time Faculty	703	462	464	196	76
Percent Part-Time Faculty	37%	19%	22%	19%	22%
Ratio of FTE Students to Full-Time Faculty	8.2	8.7	11.4	12.8	15.1

SOURCE: 1988-89 College Board's Annual Survey of Colleges.

with hospitals had a ratio of 8.7 to 1, and all three other groups had ratios that exceeded 11 to 1.

The distribution of faculty by rank indicates that Howard University has a lower percentage of full professors and a higher proportion of instructors than either selected private institutions with hospitals or public institutions with hospitals. Indeed, almost half of all full-time faculty at the selected private institutions with hospitals were full professors in 1987-88, compared to less than a third at this rank at Howard University. Because several of the HBCUs did not participate in the 1987-88 AAUP survey, we are not able to present data for competitor institutions or the HBCUs.

At all ranks except instructor, the average compensation--salary and benefits--of Howard University faculty fell substantially below that of faculty in selected private institutions with hospitals and slightly below that of faculty in public institutions with hospitals. The average compensation at each faculty rank (except instructor) was highest at the selected private institutions with hospitals, followed by public institutions with hospitals and then Howard University. Instructors also earned most at the selected private institutions with hospitals, but earned more at Howard University than at public institutions with hospitals. The average full professor teaching at the selected private institutions with hospitals received almost $75,000 in compensation for the 1987-88 academic year, while the average full professor at Howard University received approximately $56,000. Table 9 presents the compensation and distribution of full-time faculty at Howard University, the selected private institutions with hospitals, and the public institutions with hospitals.

Furthermore, within the group of selected private institutions with hospitals, the average compensation of full professors was higher at every institution than at Howard University. Average full professor compensation in this group ranged from $64,800 at Tulane University to

TABLE 9

HOWARD UNIVERSITY AND COMPARISON GROUPS COMPENSATION AND DISTRIBUTION OF FULL-TIME FACULTY

	Howard University	Selected Private Institutions with Hospitals	Public Institutions with Hospitals
Full Professor	$56,300 (30%)	$74,800 (48%)	$57,400 (37%)
Associate Professor	42,600 (37%)	52,000 (24%)	43,900 (34%)
Assistant Professor	35,500 (24%)	41,700 (25%)	37,400 (25%)
Instructors	29,900 (9%)	33,200 (3%)	28,800 (4%)

SOURCE: 1987-88 American Association of University Professors (AAUP) Annual Report on the Economic Status of the Profession.

$84,300 at Stanford. Similarly, the average compensation of associate and assistant professors was higher in all of the private institutions with hospitals than at Howard University. (See Table 16 in the Appendix for individual school averages of the selected private institutions with hospitals.)

The average compensation of faculty at Howard University was very similar to that of faculty in public institutions with hospitals. In fact, the differences at all ranks were within $2,000. For example, the average salary for full professors at Howard University was $56,300, compared to an average of $57,400 for full professors at public institutions with hospitals. However, five of the 12 schools in this comparison group paid full professors less than Howard University. In fact, when comparing Howard University to schools in the group of public institutions with hospitals, Howard University appears situated near the middle. The University of California at Irvine paid full professors the highest salary at $71,900, while full professors at the University of North Dakota (Grand Forks) earned the least at $43,700. Only instructors received higher salaries, on average, at Howard University ($29,900) than among the group of public institutions with hospitals ($28,800); but here, again, the difference was small. (See Table 17 in the Appendix for individual school averages of the public institutions with hospitals.)

Conclusions

Howard University received income in much the same manner as public institutions with hospitals, but spent almost as much on non-research expenses as large private institutions. It spent substantially less on research than did the selected private institutions with hospitals or the public institutions with hospitals. Further, although an HBCU, Howard University's fiscal data reveal more striking similarities with the selected private institutions with hospitals and public institutions with hospitals than with HBCUs or competitor institutions. Its faculty appear more

similar to those in public institutions with hospitals in terms of salaries and the proportion with doctorate degrees, but closer to the selected private institutions with hospitals in terms of student/faculty ratio.

The following major findings emerge from our fiscal analyses:

Revenues

- Both Howard University and public institutions with hospitals received over 50 percent of their revenues from government sources:
  - Howard University received almost two-thirds (65 percent) of its revenues from Federal appropriations.
  - Public institutions with hospitals received about half (51 percent) of their revenues from state appropriations.
- Howard's revenue sources are different from the selected private institutions with hospitals which received twice as much income from tuition and fees and four times as much revenue from Federal grants and contracts, private grants and contracts, and endowments.
- Howard University received substantially more money than public institutions with hospitals ($23,325 v. $15,518 per FTE), and was able to use those public dollars to operate like a large private university.
- Howard University received more than twice as much revenue as the competitor institutions and three times more than the HBCUs.

Endowments

- The market value of Howard University's endowment was greater than the endowments at both the public institutions with hospitals and HBCUs and quite similar to the endowment of the competitor institutions. However, the endowment of the selected private institutions with hospitals was more than eleven times larger than Howard University's endowment.

Expenditures

- Howard University spent from two to three times as much per student as did the competitor institutions and the HBCUs.
- Howard University spent substantially more, $5,981 per FTE (28 percent of total expenditures less research), for administrative expenses than any other type of institution. Other types of institutions averaged between $2,212 (28 percent) and $4,642 (20 percent) per FTE.

- With respect to research expenditures, Howard University spent considerably less than the selected private institutions with hospitals and the public institutions with hospitals, but more than the HBCUs. Research expenditures comprise six percent ($1,332 per FTE) of Howard University's total expenditures. The group of competitor institutions is closest to Howard University in the amount spent on research ($1,229 per FTE), though the average competitor institution allocated a larger budget share (12 percent) than Howard University for research.

Faculty Compensation

- Over three quarters of all full-time faculty at Howard University had Ph.Ds in 1988-89. This proportion was comparable to the average for public institutions with hospitals and exceeded the average for both the competitor institutions and HBCUs but was 24 percent below the average for selected private institutions with hospitals.

- The ratio of FTE students to full-time faculty at Howard University was lower than any of the four comparison groups.

- Howard University's combination of salaries and benefits was lower than selected private institutions with hospitals at all faculty ranks but comparable to public institutions with hospitals.

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HOWARD UNIVERSITY:

A COMPARATIVE FISCAL ANALYSIS

Appendix

Deborah Inman
Rita J. Kirshstein
Valentina Tikoff
Kirsten Blackwill

April 1990

Pelavin Associates, Inc.
2030 M Street, N.W., Suite 800
Washington, D.C. 20036

Unless otherwise indicated, data reported in Appendix tables are taken from the Higher Education General Information Survey (HEGIS).

TABLE A1

RANKING OF HOWARD UNIVERSITY AND COMPARISON GROUPS
GENERAL EDUCATION REVENUE PER FTE

Tuition and Fees		Fed. Appropriations		State and Local Appropriations		Fed. Grants and Contracts		State and Local Grants and Contracts		Private Grants and Contracts		Endowment Income		Sales and Services of Ed. Act.		General Ed. Revenue	
Sel. Pri.	9115	Howard	15230	Public	8271	Sel. Pri.	9937	Public	367	Sel. Pri.	4478	Sel. Pri.	2943	Sel. Pri.	2086	Sel. Pri.	29131
Howard	3999	Public	586	Comp.	3932	Public	2435	Sel. Pri.	335	Public	881	Comp.	262	Public	1131	Howard	23325
Comp.	3109	Comp.	26	HBCUs	3094	Howard	2066	HBCUs	281	Howard	797	Howard	225	Howard	983	Public	15951
HBCUs	2276	Sel. Pri.	10	Sel. Pri.	228	Comp.	1655	Comp.	155	Comp.	672	Public	146	Comp.	174	Comp.	9983
Public	2111	HBCUs	0	Howard	0	HBCUs	1078	Howard	123	HBCU	487	HBCUs	111	HBCUs	69	HBCUs	7396

TABLE A2

RANKING OF HOWARD UNIVERSITY AND COMPARISON GROUPS
GENERAL EDUCATION REVENUE PER FTE
BUDGET SHARE

Tuition and Fees %		Fed. Appropriations %		State and Local Appropriations %		Fed. Grants and Contracts %		State and Local Grants and Contracts %		Private Grants and Contracts %		Endowment Income %		Sales and Services of Ed. Act. %	
Sel. Pri.	31.3	Howard	65.3	Public	51.9	Sel. Pri.	34.1	HBCUs	3.8	Sel. Pri.	15.4	Sel. Pri.	10.1	Sel. Pri.	7.2
Comp.	31.1	Public	3.7	HBCUs	41.8	Comp.	16.6	Public	2.4	Comp.	6.7	Comp.	2.7	Public	7.1
HBCUs	30.8	Comp.	0.3	Comp.	39.4	Public	15.3	Comp.	1.5	HBCUs	6.6	Howard	2.3	Howard	4.2
Howard	17.1	Sel. Pri.	0.0	Sel. Pri.	0.8	HBCUs	14.6	Sel. Pri.	1.1	Public	5.6	HBCUs	1.5	Comp.	1.7
Public	13.2	HBCUs	0.0	Howard	0.0	Howard	8.8	Howard	0.1	Howard	3.4	Howard	1.0	HBCUs	0.9

TABLE A3

RANKING OF HOWARD UNIVERSITY AND COMPARISON GROUPS
EDUCATIONAL AND GENERAL EXPENDITURES PER FTE

Total Academic		Total Admin		Scholarships		Research		Plant OP Maint., Mandatory ED. Transfer		Public Service	
Sel. Pri.	12764	Howard	5981	Sel. Pri.	2904	Sel. Pri.	7305	Howard	3092	Howard	1725
Howard	9579	Sel. Pri.	4642	HBCUs	1403	Public	2454	Sel. Pri.	2464	Public	1178
Public	6717	Public	2597	Howard	1135	Howard	1332	Public	1412	Sel. Pri.	569
Comp.	4029	Comp.	2264	Comp.	1051	Comp.	1229	Comp.	1159	HBCUs	367
HBCUs	3145	HBCUs	2024	Public	708	HBCUs	301	HBCUs	884	Comp	343

Total E&G Expend.		E&G Less Research	
Sel. Pri.	30648	Sel. Pri.	23342
Howard	22843	Howard	21511
Public	15067	Public	12613
Comp.	10073	Comp.	8844
HBCUs	8123	HBCUs	7822

TABLE A4

RANKING OF HOWARD UNIVERSITY AND COMPARISON GROUPS
EDUCATIONAL AND GENERAL EXPENDITURES PER FTE
BUDGET SHARE (including research)

Total Academic		Total Admin		Scholarships		Research		Plant OP Maint., Mandatory ED. Transfer		Public Service	
Public	44.6	Howard	26.2	HBCUs	17.3	Sel. Pri.	23.8	Howard	13.5	Howard	7.6
Howard	41.9	HBCUs	24.9	Comp.	10.4	Public	16.3	Comp.	11.6	Public	7.3
Sel. Pri.	41.6	Comp.	22.5	Sel. Pri.	9.5	Comp.	12.2	HBCUs	10.9	HBCUs	4.5
Comp.	40.0	Public	17.2	Howard	4.9	Howard	5.8	Public	9.3	Comp.	3.4
HBCUs	38.7	Sel. Pri.	15.1	Public	4.7	HBCUs	3.7	Sel. Pri.	8.1	Sel. Pri.	1.9

TABLE A5

RANKING OF HOWARD UNIVERSITY AND COMPARISON GROUPS
EDUCATIONAL AND GENERAL EXPENDITURES PER FTE
BUDGET SHARE (excluding research)

Total Academic		Total Admin		Scholarships		Research	Plant OP Maint., Mandatory ED. Transfer		Public Service	
Sel. Pri.	54.7	Howard	27.8	HBCUs	17.9		Howard	14.4	Public	9.3
Public	53.3	HBCUs	25.9	Sel. Pri.	12.4		Comp.	13.1	Howard	8.0
Comp.	45.6	Comp.	25.6	Comp.	11.9	N/A	HBCUs	11.3	HBCUs	4.7
Howard	44.5	Public	20.6	Public	5.6		Public	11.2	Comp.	3.9
HBCUs	40.2	Sel. Pri.	19.9	Howard	5.3		Sel. Pri.	10.5	Sel. Pri.	2.4

TABLE A6.1
HOWARD UNIVERSITY AND SELECTED PRIVATE INSTITUTIONS WITH HOSPITALS
GENERAL EDUCATION REVENUE PER FTE
ACADEMIC YEAR 1985-86
BUDGET SHARE

	HOWARD	CASE WESTERN	CHICAGO	DUKE	EMORY	GEORGETO
TUITION & FEES	17.1	36.0	30.4	35.1	30.8	62.
FEDERAL APPROPRIATIONS	65.3	0.0	0.0	0.0	0.0	0.
STATE & LOCAL APPROPRIATIONS	0.0	4.6	0.0	0.0	0.0	0.
FEDERAL GRANTS & CONTRACTS	8.9	33.3	28.8	37.5	21.3	18.
STATE, LOC GRANTS & CONTRACTS	0.1	1.3	0.5	1.5	1.1	0.
PRIVATE GRANTS & CONTRACTS	3.4	14.2	14.5	19.6	16.6	14.
ENDOWMENT INCOME	1.0	10.6	12.4	5.5	20.6	3.
SALES & SERVICES	4.2	0.0	13.3	0.8	9.6	1.
GENERAL EDUCATION REVENUE	100.0	100.0	100.0	100.0	100.0	100.

	JOHNS HOPKINS	ROCHESTER	STANFORD	TULANE	VANDERBILT	YA
TUITION & FEES	20.8	31.0	22.1	56.1	34.5	25.
FEDERAL APPROPRIATIONS	0.2	0.0	0.0	0.0	0.0	0.
STATE & LOCAL APPROPRIATIONS	1.5	2.1	0.0	0.4	0.0	0.
FEDERAL GRANTS & CONTRACTS	43.3	35.5	50.3	30.2	23.4	31.
STATE, LOC GRANTS & CONTRACTS	1.4	2.8	0.0	0.8	1.1	1.
PRIVATE GRANTS & CONTRACTS	26.5	9.8	14.6	6.8	9.6	13.
ENDOWMENT INCOME	6.3	11.1	8.6	5.6	11.6	11.
SALES & SERVICES	0.0	7.6	4.5	0.0	19.8	16.
GENERAL EDUCATION REVENUE	100.0	100.0	100.0	100.0	100.0	100.

TABLE A6.2: 1985-86 REVENUES OF HOWARD UNIVERSITY AND SELECTED PRIVATE INSTITUTIONS WITH HOSPITALS, RANKED

DOLLARS PER FTE

TUITION & FEES		FEDERAL APPROPRIATIONS		STATE,LOCAL APPROPRIATIONS	
CHICAGO	$11,191	HOWARD	$15,230	CASE WESTERN	$1,097
GEORGETOWN	11,095	JOHNS HOPKINS	107	JOHNS HOPKINS	714
JOHNS HOPKINS	9,890	STANFORD	0	ROCHESTER	636
STANFORD	9,885	ROCHESTER	0	TULANE	65
YALE	9,496	YALE	0	YALE	0
ROCHESTER	9,288	VANDERBILT	0	VANDERBILT	0
TULANE	8,593	TULANE	0	STANFORD	0
CASE WESTERN	8,532	CHICAGO	0	CHICAGO	0
EMORY	8,470	CASE WESTERN	0	HOWARD	0
VANDERBILT	8,326	DUKE	0	DUKE	0
DUKE	5,499	GEORGETOWN	0	GEORGETOWN	0
HOWARD	3,999	EMORY	0	EMORY	0

BUDGET SHARE

TUITION & FEES		FEDERAL APPROPRIATIONS		STATE & LOCAL APPROPRIATIONS	
GEORGETOWN	62.3	HOWARD	65.3	CASE WESTERN	4.6
TULANE	56.1	JOHNS HOPKINS	0.2	ROCHESTER	2.1
CASE WESTERN	36.0	STANFORD	0.0	JOHNS HOPKINS	1.5
DUKE	35.1	ROCHESTER	0.0	TULANE	0.4
VANDERBILT	34.5	YALE	0.0	YALE	0.0
ROCHESTER	31.0	VANDERBILT	0.0	VANDERBILT	0.0
EMORY	30.8	TULANE	0.0	STANFORD	0.0
CHICAGO	30.4	CHICAGO	0.0	CHICAGO	0.0
YALE	25.5	CASE WESTERN	0.0	HOWARD	0.0
STANFORD	22.1	DUKE	0.0	DUKE	0.0
JOHNS HOPKINS	20.8	GEORGETOWN	0.0	GEORGETOWN	0.0
HOWARD	17.1	EMORY	0.0	EMORY	0.0

TABLE A6.2: 1985-86 REVENUES OF HOWARD UNIVERSITY AND SELECTED PRIVATE INSTITUTIONS WITH HOSPITALS, RANKED

DOLLARS PER FTE

FEDERAL GRANTS & CONTRACTS		STATE,LOCAL GRANTS & CONTRACTS		PRIVATE GRANTS,CONTRACTS	
STANFORD	$22,501	ROCHESTER	$823	JOHNS HOPKINS	$12,631
JOHNS HOPKINS	20,616	JOHNS HOPKINS	672	STANFORD	6,317
YALE	11,819	YALE	652	CHICAGO	5,340
ROCHESTER	10,635	EMORY	311	YALE	4,940
CHICAGO	10,605	CASE WESTERN	296	EMORY	4,372
CASE WESTERN	7,881	VANDERBILT	264	CASE WESTERN	3,371
DUKE	5,881	DUKE	236	DUKE	3,076
EMORY	5,862	CHICAGO	198	ROCHESTER	2,936
VANDERBILT	5,637	TULANE	126	GEORGETOWN	2,502
TULANE	4,627	GEORGETOWN	103	VANDERBILT	2,327
GEORGETOWN	3,240	HOWARD	23	TULANE	1,048
HOWARD	2,066	STANFORD	0	HOWARD	798

BUDGET SHARE

FEDERAL GRANTS,CONTRACTS		STATE & LOCAL GRANTS,CONTRACTS		PRIVATE GRANTS,CONTRACTS	
STANFORD	50.3	ROCHESTER	2.8	JOHNS HOPKINS	26.5
JOHNS HOPKINS	43.3	YALE	1.8	DUKE	19.6
DUKE	37.5	DUKE	1.5	EMORY	16.6
ROCHESTER	35.5	JOHNS HOPKINS	1.4	STANFORD	14.6
CASE WESTERN	33.3	CASE WESTERN	1.3	CHICAGO	14.5
YALE	31.8	EMORY	1.1	CASE WESTERN	14.2
TULANE	30.2	VANDERBILT	1.1	GEORGETOWN	14.0
CHICAGO	28.8	TULANE	0.8	YALE	13.3
VANDERBILT	23.4	GEORGETOWN	0.6	ROCHESTER	9.8
EMORY	21.3	CHICAGO	0.5	VANDERBILT	9.6
GEORGETOWN	18.2	HOWARD	0.1	TULANE	6.8
HOWARD	8.9	STANFORD	0.0	HOWARD	3.4

TABLE A6.2: 1985-86 REVENUES OF HOWARD UNIVERSITY AND SELECTED PRIVATE INSTITUTIONS WITH HOSPITALS, RANKED

DOLLARS PER FTE

ENDOWMENT INCOME		SALES & SERVICES		GENERAL EDUCATION REVENUE	
EMORY	$5,653	YALE	$6,008	JOHNS HOPKINS	$47,648
CHICAGO	4,365	CHICAGO	4,888	STANFORD	44,763
YALE	4,291	VANDERBILT	4,780	YALE	37,206
STANFORD	3,849	EMORY	2,630	CHICAGO	36,787
ROCHESTER	3,335	ROCHESTER	2,264	ROCHESTER	29,916
JOHNS HOPKINS	3,018	STANFORD	2,011	EMORY	27,498
VANDERBILT	2,797	HOWARD	983	VANDERBILT	24,131
CASE WESTERN	2,499	GEORGETOWN	234	CASE WESTERN	23,675
TULANE	862	DUKE	133	HOWARD	23,325
DUKE	861	CASE WESTERN	0	GEORGETOWN	17,813
GEORGETOWN	638	JOHNS HOPKINS	0	DUKE	15,686
HOWARD	225	TULANE	0	TULANE	15,321

BUDGET SHARE

ENDOWMENT INCOME		SALES & SERVICES	
EMORY	20.6	VANDERBILT	19.8
CHICAGO	12.4	YALE	16.1
VANDERBILT	11.6	CHICAGO	13.3
YALE	11.5	EMORY	9.6
ROCHESTER	11.1	ROCHESTER	7.6
CASE WESTERN	10.6	STANFORD	4.5
STANFORD	8.6	HOWARD	4.2
JOHNS HOPKINS	6.3	GEORGETOWN	1.3
TULANE	5.6	DUKE	0.8
DUKE	5.5	CASE WESTERN	0.0
GEORGETOWN	3.6	JOHNS HOPKINS	0.0
HOWARD	1.0	TULANE	0.0

TABLE A7.1
HOWARD UNIVERSITY AND SELECTED PRIVATE INSTITUTIONS WITH HOSPITALS
EDUCATIONAL AND GENERAL EXPENDITURES PER FTE
ACADEMIC YEAR 1985-86
BUDGET SHARE (INCLUDING RESEARCH)

	HOWARD	CASE WESTERN	CHICAGO	DUKE	EMORY	GEORGETOWN
ACADEMIC - TOTAL	41.9	38.3	53.4	41.6	37.1	45.3
- INSTRUCTION	38.5	35.2	49.5	36.9	34.1	40.9
- LIBRARIES	3.4	3.1	3.9	4.7	2.9	4.4
ADMINISTRATIVE - TOTAL	26.2	20.3	11.3	10.8	17.1	24.0
- STUDENT SERVICES	5.4	2.7	2.0	3.3	5.4	6.9
- INSTITUTIONAL SUPPORT	16.3	7.7	8.4	4.4	7.3	9.1
- ACADEMIC SUPPORT	4.5	10.0	0.9	3.2	4.3	8.0
SCHOLARSHIP	5.0	9.1	8.3	11.0	11.5	7.9
RESEARCH	5.8	22.4	18.8	22.0	26.4	15.1
PUBLIC SERVICE	7.6	0.0	0.0	5.7	0.6	0.0
PLANT OP/MAINT/MAND ED TRAN	13.5	9.8	8.3	8.9	7.5	7.7
TOTAL E&G EXPENDITURES	100.0	100.0	100.0	100.0	100.0	100.0

	JOHNS HOPKINS	ROCHESTER	STANFORD	TULANE	VANDERBILT	YALE
ACADEMIC - TOTAL	51.7	35.3	29.4	46.1	30.8	43.1
- INSTRUCTION	49.5	32.3	24.7	41.7	26.3	38.8
- LIBRARIES	2.3	3.0	4.7	4.4	4.5	4.2
ADMINISTRATIVE - TOTAL	11.1	15.4	15.9	16.3	14.8	16.6
- STUDENT SERVICES	1.8	4.7	3.0	4.8	2.9	3.7
- INSTITUTIONAL SUPPORT	8.2	7.5	8.6	11.5	6.3	7.9
- ACADEMIC SUPPORT	1.2	3.2	4.3	0.0	5.6	4.9
SCHOLARSHIP	7.3	11.7	8.4	13.3	8.7	11.1
RESEARCH	22.8	29.0	38.3	11.6	21.2	19.7
PUBLIC SERVICE	0.0	0.0	0.9	3.0	18.4	0.0
PLANT OP/MAINT/MAND ED TRAN	6.9	8.6	7.1	9.7	6.1	9.6
TOTAL E&G EXPENDITURES	100.0	100.0	100.0	100.0	100.0	100.0

TABLE A7.2
HOWARD UNIVERSITY AND SELECTED PRIVATE INSTITUTIONS WITH HOSPITALS
EDUCATIONAL AND GENERAL EXPENDITURES PER FTE
ACADEMIC YEAR 1985-86
BUDGET SHARE (EXCLUDING RESEARCH)

	HOWARD	CASE WESTERN	CHICAGO	DUKE	EMORY	GEORGETOWN
ACADEMIC - TOTAL	44.5	49.4	65.7	53.3	50.3	53.4
- INSTRUCTION	40.9	45.3	60.9	47.3	46.4	48.2
- LIBRARIES	3.6	4.1	4.8	6.0	4.0	5.2
ADMINISTRATIVE - TOTAL	27.8	26.2	13.9	13.9	23.2	28.3
- STUDENT SERVICES	5.8	3.4	2.5	4.2	7.4	8.1
- INSTITUTIONAL SUPPORT	17.3	9.9	10.4	5.6	9.9	10.8
- ACADEMIC SUPPORT	4.8	12.8	1.1	4.1	5.9	9.4
SCHOLARSHIP	5.3	11.7	10.2	14.1	15.6	9.3
RESEARCH	0.0	0.0	0.0	0.0	0.0	0.0
PUBLIC SERVICE	8.0	0.0	0.0	7.3	0.8	0.0
PLANT OP/MAINT/MAND ED TRAN	14.4	12.7	10.2	11.4	10.1	9.1
TOTAL E&G EXP LESS RESEARCH	100.0	100.0	100.0	100.0	100.0	100.0

	JOHNS HOPKINS	ROCHESTER	STANFORD	TULANE	VANDERBILT	YAL
ACADEMIC - TOTAL	67.1	49.7	47.7	52.2	39.1	53.6
- INSTRUCTION	64.1	45.4	40.0	47.2	33.4	48.4
- LIBRARIES	3.0	4.3	7.7	5.0	5.7	5.2
ADMINISTRATIVE - TOTAL	14.4	21.7	25.8	18.4	18.8	20.6
- STUDENT SERVICES	2.3	6.7	4.8	5.4	3.7	4.7
- INSTITUTIONAL SUPPORT	10.6	10.5	13.9	13.0	7.9	9.8
- ACADEMIC SUPPORT	1.5	4.5	7.0	0.0	7.1	6.2
SCHOLARSHIP	9.5	16.5	13.6	15.1	11.0	13.8
RESEARCH	0.0	0.0	0.0	0.0	0.0	0.0
PUBLIC SERVICE	0.0	0.0	1.5	3.4	23.4	0.0
PLANT OP/MAINT/MAND ED TRAN	9.0	12.1	11.4	10.9	7.7	11.9
TOTAL E&G EXP LESS RESEARCH	100.0	100.0	100.0	100.0	100.0	100.0

TABLE A7.3: 1985-86 EXPENDITURES OF HOWARD UNIVERSITY AND SELECTED PRIVATE INSTITUTIONS WITH HOSPITALS, RANKED

DOLLARS PER FTE

TOTAL ACADEMIC		INSTRUCTION		LIBRARIES	
JOHNS HOPKINS	$30,274	JOHNS HOPKINS	$28,938	STANFORD	$2,159
CHICAGO	18,981	CHICAGO	17,593	YALE	1,701
YALE	17,286	YALE	15,585	CHICAGO	1,388
STANFORD	13,408	STANFORD	11,249	JOHNS HOPKINS	1,335
ROCHESTER	10,887	ROCHESTER	9,947	VANDERBILT	1,002
CASE WESTERN	9,623	EMORY	8,852	ROCHESTER	939
EMORY	9,610	CASE WESTERN	8,834	DUKE	885
HOWARD	9,579	HOWARD	8,798	GEORGETOWN	817
GEORGETOWN	8,427	GEORGETOWN	7,610	CASE WESTERN	789
DUKE	7,859	DUKE	6,974	HOWARD	781
TULANE	7,135	TULANE	6,456	EMORY	758
VANDERBILT	6,919	VANDERBILT	5,917	TULANE	680

BUDGET SHARE -- RESEARCH INCLUDED

TOTAL ACADEMIC		INSTRUCTION		LIBRARIES	
CHICAGO	53.4	CHICAGO	49.5	STANFORD	4.7
JOHNS HOPKINS	51.7	JOHNS HOPKINS	49.5	DUKE	4.7
TULANE	46.1	TULANE	41.7	VANDERBILT	4.5
GEORGETOWN	45.3	GEORGETOWN	40.9	TULANE	4.4
YALE	43.1	YALE	38.8	GEORGETOWN	4.4
HOWARD	41.9	HOWARD	38.5	YALE	4.2
DUKE	41.6	DUKE	36.9	CHICAGO	3.9
CASE WESTERN	38.3	CASE WESTERN	35.2	HOWARD	3.4
EMORY	37.1	EMORY	34.1	CASE WESTERN	3.1
ROCHESTER	35.3	ROCHESTER	32.3	ROCHESTER	3.0
VANDERBILT	30.8	VANDERBILT	26.3	EMORY	2.9
STANFORD	29.4	STANFORD	24.7	JOHNS HOPKINS	2.3

BUDGET SHARE -- RESEARCH EXCLUDED

TOTAL ACADEMIC		INSTRUCTION		LIBRARIES	
JOHNS HOPKINS	67.1	JOHNS HOPKINS	64.1	STANFORD	7.7
U OF CHICAGO	65.7	U OF CHICAGO	60.9	DUKE	6.0
YALE	53.6	YALE	48.4	VANDERBILT	5.7
GEORGETOWN	53.4	GEORGETOWN	48.2	YALE	5.3
DUKE	53.3	DUKE	47.3	GEORGETOWN	5.2
TULANE	52.2	TULANE	47.2	TULANE	5.0
EMORY	50.3	EMORY	46.4	U OF CHICAGO	4.8
U OF ROCHESTER	49.7	U OF ROCHESTER	45.4	U OF ROCHESTER	4.3
CASE WEST. RES.	49.4	CASE WEST. RES.	45.3	CASE WEST. RES.	4.1
STANFORD	47.7	HOWARD	40.9	EMORY	4.0
HOWARD	44.5	STANFORD	40.0	HOWARD	3.6
VANDERBILT	39.1	VANDERBILT	33.4	JOHNS HOPKINS	3.0

TABLE A7.3: 1985-86 EXPENDITURES OF HOWARD UNIVERSITY AND SELECTED PRIVATE INSTITUTIONS WITH HOSPITALS, RANKED

DOLLARS PER FTE

TOTAL ADMINISTRATIVE		STUDENT SERVICES		INSTITUTIONAL SUPPORT		ACADEM SUPPO
STANFORD	$7,248	YALE	$1,500	JOHNS HOPKINS	$4,778	CASE WESTERN	$2,4
YALE	6,645	ROCHESTER	1,461	STANFORD	3,916	YALE	1,9
JOHNS HOPKINS	6,510	EMORY	1,411	HOWARD	3,715	STANFORD	1,9
HOWARD	5,981	STANFORD	1,362	YALE	3,159	GEORGETOWN	1,4
CASE WESTERN	5,107	GEORGETOWN	1,283	CHICAGO	2,999	VANDERBILT	1,2
ROCHESTER	4,751	HOWARD	1,237	ROCHESTER	2,308	EMORY	1,1
GEORGETOWN	4,468	JOHNS HOPKINS	1,038	CASE WESTERN	1,938	HOWARD	1,0
EMORY	4,422	TULANE	744	EMORY	1,887	ROCHESTER	9
CHICAGO	4,020	CHICAGO	716	TULANE	1,772	JOHNS HOPKINS	6
VANDERBILT	3,322	CASE WESTERN	670	GEORGETOWN	1,700	DUKE	6
TULANE	2,516	VANDERBILT	659	VANDERBILT	1,407	CHICAGO	3
DUKE	2,051	DUKE	617	DUKE	832	TULANE	

BUDGET SHARE -- RESEARCH INCLUDED

TOTAL ADMINISTRATIVE		STUDENT SERVICES		INSTITUTIONAL SUPPORT		ACADEM SUPPO
HOWARD	26.2	GEORGETOWN	6.9	HOWARD	16.3	CASE WESTERN	10
GEORGETOWN	24.0	EMORY	5.4	TULANE	11.5	GEORGETOWN	8
CASE WESTERN	20.3	HOWARD	5.4	GEORGETOWN	9.1	VANDERBILT	5
EMORY	17.1	TULANE	4.8	STANFORD	8.6	YALE	4
YALE	16.6	ROCHESTER	4.7	CHICAGO	8.4	HOWARD	4
TULANE	16.3	YALE	3.7	JOHNS HOPKINS	8.2	EMORY	4
STANFORD	15.9	DUKE	3.3	YALE	7.9	STANFORD	4
ROCHESTER	15.4	STANFORD	3.0	CASE WESTERN	7.7	DUKE	3
VANDERBILT	14.8	VANDERBILT	2.9	ROCHESTER	7.5	ROCHESTER	3.
CHICAGO	11.3	CASE WESTERN	2.7	EMORY	7.3	JOHNS HOPKINS	1
JOHNS HOPKINS	11.1	CHICAGO	2.0	VANDERBILT	6.3	CHICAGO	0
DUKE	10.8	JOHNS HOPKINS	1.8	DUKE	4.4	TULANE	0

BUDGET SHARE -- RESEARCH EXCLUDED

TOTAL ADMINISTRATIVE		STUDENT SERVICES		INSTITUTIONAL SUPPORT		ACADEM SUPPO
GEORGETOWN	28.3	GEORGETOWN	8.1	HOWARD	17.3	CASE WEST. RES.	12
HOWARD	27.8	EMORY	7.4	STANFORD	13.9	GEORGETOWN	9
CASE WEST. RES.	26.2	U OF ROCHESTER	6.7	TULANE	13.0	VANDERBILT	
STANFORD	25.8	HOWARD	5.8	GEORGETOWN	10.8	STANFORD	
EMORY	23.2	TULANE	5.4	JOHNS HOPKINS	10.6	YALE	
U OF ROCHESTER	21.7	STANFORD	4.8	U OF ROCHESTER	10.5	EMORY	
YALE	20.6	YALE	4.7	U OF CHICAGO	10.4	HOWARD	
VANDERBILT	18.8	DUKE	4.2	CASE WEST. RES.	9.9	U OF ROCHESTER	
TULANE	18.4	VANDERBILT	3.7	EMORY	9.9	DUKE	
JOHNS HOPKINS	14.4	CASE WEST. RES.	3.4	YALE	9.8	JOHNS HOPKINS	
U OF CHICAGO	13.9	U OF CHICAGO	2.5	VANDERBILT	7.9	U OF CHICAGO	
DUKE	13.9	JOHNS HOPKINS	2.3	DUKE	5.6	TULANE	

TABLE A7.3: 1985-86 EXPENDITURES OF HOWARD UNIVERSITY AND SELECTED PRIVATE INSTITUTIONS WITH HOSPITALS, RANKED

DOLLARS PER FTE

SCHOLARSHIP		RESEARCH		PUBLIC SERVICE		PLANT OP,MAIN MAND ED TRA	
YALE	$4,459	STANFORD	$17,486	VANDERBILT	$4,142	JOHNS HOPKINS	$4,06
JOHNS HOPKINS	4,298	JOHNS HOPKINS	13,359	HOWARD	1,725	YALE	3,8
STANFORD	3,827	ROCHESTER	8,942	DUKE	1,070	STANFORD	3,2
ROCHESTER	3,607	YALE	7,919	TULANE	467	HOWARD	3,09
EMORY	2,971	EMORY	6,843	STANFORD	426	CHICAGO	2,9
CHICAGO	2,945	CHICAGO	6,674	EMORY	151	ROCHESTER	2,6
CASE WESTERN	2,277	CASE WESTERN	5,630	YALE	0	CASE WESTERN	2,47
DUKE	2,081	VANDERBILT	4,752	ROCHESTER	0	EMORY	1,9
TULANE	2,063	DUKE	4,162	CHICAGO	0	DUKE	1,68
VANDERBILT	1,955	GEORGETOWN	2,799	CASE WESTERN	0	TULANE	1,49
GEORGETOWN	1,462	TULANE	1,794	JOHNS HOPKINS	0	GEORGETOWN	1,4
HOWARD	1,135	HOWARD	1,332	GEORGETOWN	0	VANDERBILT	1,3

BUDGET SHARE -- RESEARCH INCLUDED

SCHOLARSHIP		RESEARCH		PUBLIC SERVICE		PLANT OP,MAIN MAND ED TRA	
TULANE	13.3	STANFORD	38.3	VANDERBILT	18.4	HOWARD	13.
ROCHESTER	11.7	ROCHESTER	29.0	HOWARD	7.6	CASE WESTERN	9.
EMORY	11.5	EMORY	26.4	DUKE	5.7	TULANE	9
YALE	11.1	JOHNS HOPKINS	22.8	TULANE	3.0	YALE	9
DUKE	11.0	CASE WESTERN	22.4	STANFORD	0.9	DUKE	8
CASE WESTERN	9.1	DUKE	22.0	EMORY	0.6	ROCHESTER	8
VANDERBILT	8.7	VANDERBILT	21.2	YALE	0.0	CHICAGO	8
STANFORD	8.4	YALE	19.7	ROCHESTER	0.0	GEORGETOWN	7
CHICAGO	8.3	CHICAGO	18.8	CHICAGO	0.0	EMORY	7.
GEORGETOWN	7.9	GEORGETOWN	15.1	CASE WESTERN	0.0	STANFORD	7
JOHNS HOPKINS	7.3	TULANE	11.6	JOHNS HOPKINS	0.0	JOHNS HOPKINS	6
HOWARD	5.0	HOWARD	5.8	GEORGETOWN	0.0	VANDERBILT	6

BUDGET SHARE -- RESEARCH EXCLUDED

SCHOLARSHIP		RESEARCH		PUBLIC SERVICE		PLANT OP,MAI MAND ED TRA	
U OF ROCHESTER	16.5	HOWARD	N/A	VANDERBILT	23.4	HOWARD	14
EMORY	15.6	CASE WEST. RES.	N/A	HOWARD	8.0	CASE WEST. RES.	12
TULANE	15.1	U OF CHICAGO	N/A	DUKE	7.3	U OF ROCHESTER	12
DUKE	14.1	DUKE	N/A	TULANE	3.4	YALE	11
YALE	13.8	EMORY	N/A	STANFORD	1.5	STANFORD	11
STANFORD	13.6	GEORGETOWN	N/A	EMORY	0.8	DUKE	11
CASE WEST. RES.	11.7	JOHNS HOPKINS	N/A	YALE	0.0	TULANE	10
VANDERBILT	11.0	U OF ROCHESTER	N/A	U OF ROCHESTER	0.0	U OF CHICAGO	10
U OF CHICAGO	10.2	STANFORD	N/A	U OF CHICAGO	0.0	EMORY	10
JOHNS HOPKINS	9.5	TULANE	N/A	CASE WEST. RES.	0.0	GEORGETOWN	9
GEORGETOWN	9.3	VANDERBILT	N/A	JOHNS HOPKINS	0.0	JOHNS HOPKINS	9
HOWARD	5.3	YALE	N/A	GEORGETOWN	0.0	VANDERBILT	7

TABLE A7.3: 1985-86 EXPENDITURES OF HOWARD UNIVERSITY AND SELECTED PRIVATE INSTITUTIONS WITH HOSPITALS, RANKED

DOLLARS PER FTE

	TOTAL E & G EXPENDITURES		TOTAL E & G EXP LESS RESEARCH
JOHNS HOPKINS	$58,502	JOHNS HOPKINS	$45,143
STANFORD	45,615	YALE	32,228
YALE	40,147	CHICAGO	28,884
CHICAGO	35,559	STANFORD	28,129
ROCHESTER	30,836	ROCHESTER	21,893
EMORY	25,930	HOWARD	21,511
CASE WESTERN	25,110	CASE WESTERN	19,480
HOWARD	22,843	EMORY	19,087
VANDERBILT	22,457	VANDERBILT	17,705
DUKE	18,910	GEORGETOWN	15,791
GEORGETOWN	18,590	DUKE	14,748
TULANE	15,470	TULANE	13,675

TABLE A8.1
HOWARD UNIVERSITY AND PRIVATE HBCUS
GENERAL EDUCATION REVENUE PER FTE
ACADEMIC YEAR 1985-86
BUDGET SHARE

	HOWARD	TUSKEGEE	XAVIER	BETHUNE COOKMAN	MOREHOUSE	FLOR MEMOR
TUITION & FEES	17.1	39.3	56.7	50.5	65.4	7(
FEDERAL APPROPRIATIONS	65.3	0.0	2.7	0.0	0.0	0
STATE & LOCAL APPROPRIATIONS	0.0	4.9	0.0	0.0	0.0	(
FEDERAL GRANTS & CONTRACTS	8.9	35.5	22.9	17.6	15.6	8
STATE, LOC GRANTS & CONTRACTS	0.1	2.5	1.6	14.0	0.0	0
PRIVATE GRANTS & CONTRACTS	3.4	10.1	14.6	16.5	12.6	23
ENDOWMENT INCOME	1.0	5.9	1.5	1.4	6.5	0
SALES & SERVICES	4.2	1.8	0.0	0.0	0.0	0
GENERAL EDUCATION REVENUE	100.0	100.0	100.0	100.0	100.0	10(

	HAMPTON	SPELMAN
TUITION & FEES	54.4	57.2
FEDERAL APPROPRIATIONS	0.0	0.0
STATE & LOCAL APPROPRIATIONS	0.0	0.0
FEDERAL GRANTS & CONTRACTS	21.6	13.0
STATE, LOC GRANTS & CONTRACTS	0.0	1.5
PRIVATE GRANTS & CONTRACTS	6.7	16.6
ENDOWMENT INCOME	14.3	11.8
SALES & SERVICES	3.0	0.0
GENERAL EDUCATION REVENUE	100.0	100.0

TABLE A8.2: 1985-86 REVENUES OF HOWARD UNIVERSITY AND PRIVATE HBCUS, RANKED

DOLLARS PER FTE

TUITION & FEES		FEDERAL APPROPRIATIONS		STATE & LOCAL APPROPRIATIONS	
XAVIER	$4,609	HOWARD	$15,230	TUSKEGEE	$502
SPELMAN	4,073	XAVIER	220	BETHUNE COOKMAN	0
TUSKEGEE	4,044	FLORIDA MEMORIAL	0	HAMPTON	0
HOWARD	3,999	HAMPTON	0	SPELMAN	0
HAMPTON	3,988	SPELMAN	0	MOREHOUSE	0
MOREHOUSE	3,903	TUSKEGEE	0	HOWARD	0
BETHUNE COOKMAN	3,811	BETHUNE COOKMAN	0	XAVIER	0
FLORIDA MEMORIAL	3,595	MOREHOUSE	0	BETHUNE COOKMAN	0

BUDGET SHARE

TUITION & FEES		FEDERAL APPROPRIATIONS		STATE & LOCAL APPROPRIATIONS	
FLORIDA MEMORIAL	70.1	HOWARD	65.3	TUSKEGEE	4.9
MOREHOUSE	65.4	XAVIER	2.7	FLORIDA MEMORIAL	0.0
SPELMAN	57.2	FLORIDA MEMORIAL	0.0	HAMPTON	0.0
XAVIER	56.7	HAMPTON	0.0	SPELMAN	0.0
HAMPTON	54.4	SPELMAN	0.0	MOREHOUSE	0.0
BETHUNE COOKMAN	50.5	TUSKEGEE	0.0	HOWARD	0.0
TUSKEGEE	39.3	BETHUNE COOKMAN	0.0	XAVIER	0.0
HOWARD	17.1	MOREHOUSE	0.0	BETHUNE COOKMAN	0.0

TABLE A8.2: 1985-86 REVENUES OF HOWARD UNIVERSITY AND PRIVATE HBCUS, RANKED

DOLLARS PER FTE

FEDERAL GRANTS & CONTRACTS		STATE & LOCAL GRANTS & CONTRACTS		PRIVATE GRANTS & CONTRACTS	
TUSKEGEE	$3,655	BETHUNE COOKMAN	$1,060	SPELMAN	$1,244
HOWARD	2,066	TUSKEGEE	262	HOWARD	1,184
XAVIER	1,862	XAVIER	128	HAMPTON	1,182
HAMPTON	1,582	SPELMAN	104	XAVIER	1,181
BETHUNE COOKMAN	1,327	HOWARD	23	TUSKEGEE	1,041
MOREHOUSE	929	HAMPTON	0	MOREHOUSE	798
SPELMAN	926	MOREHOUSE	0	BETHUNE COOKMAN	750
FLORIDA MEMORIAL	309	FLORIDA MEMORIAL	0	FLORIDA MEMORIAL	488

BUDGET SHARE

FEDERAL GRANTS & CONTRACTS		STATE & LOCAL GRANTS & CONTRACTS		PRIVATE GRANTS & CONTRACTS	
TUSKEGEE	35.5	BETHUNE COOKMAN	14.0	FLORIDA MEMORIAL	23.1
XAVIER	22.9	TUSKEGEE	2.5	SPELMAN	16.6
HAMPTON	21.6	XAVIER	1.6	BETHUNE COOKMAN	16.5
BETHUNE COOKMAN	17.6	SPELMAN	1.5	XAVIER	14.6
MOREHOUSE	15.6	HOWARD	0.1	MOREHOUSE	12.6
SPELMAN	13.0	HAMPTON	0.0	TUSKEGEE	10.1
HOWARD	8.9	MOREHOUSE	0.0	HAMPTON	6.7
FLORIDA MEMORIAL	6.0	FLORIDA MEMORIAL	0.0	HOWARD	3.4

TABLE A8.2: 1985-86 REVENUES OF HOWARD UNIVERSITY AND PRIVATE HBCUS, RANKED

DOLLARS PER FTE

ENDOWMENT INCOME		SALES,SERVICES		GENERAL EDUCATION REVENUE	
HAMPTON	$1,050	XAVIER	$983	HOWARD	$23,325
SPELMAN	838	FLORIDA MEMORIAL	219	TUSKEGEE	10,302
TUSKEGEE	611	TUSKEGEE	186	XAVIER	8,126
MOREHOUSE	388	HAMPTON	0	BETHUNE COOKMAN	7,546
HOWARD	225	BETHUNE COOKMAN	0	HAMPTON	7,327
XAVIER	122	SPELMAN	0	SPELMAN	7,122
BETHUNE COOKMAN	105	MOREHOUSE	0	MOREHOUSE	5,971
FLORIDA MEMORIAL	41	HOWARD	0	FLORIDA MEMORIAL	5,127

BUDGET SHARE

ENDOWMENT INCOME		SALES,SERVICES	
HAMPTON	14.3	HOWARD	4.2
SPELMAN	11.8	HAMPTON	3.0
MOREHOUSE	6.5	TUSKEGEE	1.8
TUSKEGEE	5.9	FLORIDA MEMORIAL	0.0
XAVIER	1.5	SPELMAN	0.0
BETHUNE COOKMAN	1.4	XAVIER	0.0
HOWARD	1.0	BETHUNE COOKMAN	0.0
FLORIDA MEMORIAL	0.8	MOREHOUSE	0.0

TABLE A9.1
HOWARD UNIVERSITY AND PRIVATE HBCUS
EDUCATIONAL AND GENERAL EXPENDITURES PER FTE
ACADEMIC YEAR 1985-86
BUDGET SHARE (INCLUDING RESEARCH)

	HOWARD	TUSKEGEE	XAVIER	BETHUNE COOKMAN	MOREHOUSE	FLORIDA MEMORIAL
ACADEMIC - TOTAL	41.9	33.6	35.0	27.5	30.6	23.4
- INSTRUCTION	38.5	31.8	32.8	25.3	28.5	23.4
- LIBRARIES	3.4	1.7	2.2	2.2	2.2	0.0
ADMINISTRATIVE - TOTAL	26.2	20.8	29.9	25.6	33.4	33.1
- STUDENT SERVICES	5.4	5.0	9.2	8.8	8.2	9.5
- INSTITUTIONAL SUPPORT	16.3	11.1	17.3	15.4	24.6	21.4
- ACADEMIC SUPPORT	4.5	4.7	3.5	1.4	0.6	2.1
SCHOLARSHIP	5.0	13.8	20.3	33.9	19.5	32.7
REASEARCH	5.8	10.6	4.1	2.7	3.8	0.0
PUBLIC SERVICE	7.6	9.4	0.5	0.0	0.0	4.4
PLANT OP/MAINT/MAND ED-TRAN	13.5	11.8	10.2	10.3	12.8	6.4
TOTAL E&G EXPENDITURES	100.0	100.0	100.0	100.0	100.0	100.0

	HAMPTON	SPELMAN
ACADEMIC - TOTAL	34.6	33.1
- INSTRUCTION	31.2	31.5
- LIBRARIES	3.4	1.6
ADMINISTRATIVE - TOTAL	24.2	36.7
- STUDENT SERVICES	7.9	10.7
- INSTITUTIONAL SUPPORT	13.9	22.9
- ACADEMIC SUPPORT	2.4	3.1
SCHOLARSHIP	11.5	17.2
REASEARCH	8.8	3.3
PUBLIC SERVICE	3.7	1.2
PLANT OP/MAINT/MAND ED TRAN	17.2	8.6
TOTAL E&G EXPENDITURES	100.0	100.0

TABLE A9.2
HOWARD UNIVERSITY AND PRIVATE HBCUS
EDUCATIONAL AND GENERAL EXPENDITURES PER FTE
ACADEMIC YEAR 1985-86
BUDGET SHARE (EXCLUDING RESEARCH)

	HOWARD	TUSKEGEE	XAVIER	BETHUNE COOKMAN	MOREHOUSE	FLORIDA MEMORIAL
ACADEMIC - TOTAL	44.5	37.5	36.5	28.3	31.8	23.4
- INSTRUCTION	40.9	35.6	34.2	26.0	29.6	23.4
- LIBRARIES	3.6	1.9	2.3	2.2	2.2	0.0
ADMINISTRATIVE - TOTAL	27.8	23.3	31.2	26.3	34.7	33.1
- STUDENT SERVICES	5.8	5.5	9.6	9.0	8.5	9.5
- INSTITUTIONAL SUPPORT	17.3	12.4	18.0	15.9	25.6	21.4
- ACADEMIC SUPPORT	4.8	5.3	3.6	1.4	0.6	2.1
SCHOLARSHIP	5.3	15.5	21.1	34.8	20.2	32.7
RESEARCH	0.0	0.0	0.0	0.0	0.0	0.0
PUBLIC SERVICE	8.0	10.5	0.5	0.0	0.0	4.4
PLANT OP/MAINT/MAND ED TRAN	14.4	13.2	10.7	10.6	13.3	6.4
TOTAL E&G EXP LESS RESEARCH	100.0	100.0	100.0	100.0	100.0	100.0

	HAMPTON	SPELMAN
ACADEMIC - TOTAL	37.9	34.2
- INSTRUCTION	34.2	32.6
- LIBRARIES	3.7	1.6
ADMINISTRATIVE - TOTAL	26.5	38.0
- STUDENT SERVICES	8.6	11.0
- INSTITUTIONAL SUPPORT	15.2	23.7
- ACADEMIC SUPPORT	2.7	3.2
SCHOLARSHIP	12.6	17.8
RESEARCH	0.0	0.0
PUBLIC SERVICE	4.0	1.2
PLANT OP/MAINT/MAND ED TRAN	18.9	8.9
TOTAL E&G EXP LESS RESEARCH	100.0	100.0

TABLE A9.3: 1985-86 EXPENDITURES OF HOWARD UNIVERSITY AND PRIVATE HBCUS, RANKED

DOLLARS PER FTE

TOTAL ACADEMIC		INSTRUCTION		LIBRARIES	
HOWARD	$9,579	HOWARD	$8,798	HOWARD	$781
TUSKEGEE	3,897	TUSKEGEE	3,697	HAMPTON	268
XAVIER	3,245	XAVIER	3,039	XAVIER	206
HAMPTON	2,746	SPELMAN	2,539	BETHUNE COOKMAN	200
SPELMAN	2,667	HAMPTON	2,477	TUSKEGEE	200
BETHUNE COOKMAN	2,535	BETHUNE COOKMAN	2,335	MOREHOUSE	134
MOREHOUSE	1,898	MOREHOUSE	1,764	SPELMAN	128
FLORIDA MEMORIAL	1,565	FLORIDA MEMORIAL	1,565	FLORIDA MEMORIAL	0

BUDGET SHARE--RESEARCH INCLUDED

TOTAL ACADEMIC		INSTRUCTION		LIBRARIES	
HOWARD	41.9	HOWARD	38.5	HOWARD	3.4
XAVIER	35.0	XAVIER	32.8	HAMPTON	3.4
HAMPTON	34.6	TUSKEGEE	31.8	XAVIER	2.2
TUSKEGEE	33.6	SPELMAN	31.5	BETHUNE COOKMAN	2.2
SPELMAN	33.1	HAMPTON	31.2	MOREHOUSE	2.2
MOREHOUSE	30.6	MOREHOUSE	28.5	TUSKEGEE	1.7
BETHUNE COOKMAN	27.5	BETHUNE COOKMAN	25.3	SPELMAN	1.6
FLORIDA MEMORIAL	23.4	FLORIDA MEMORIAL	23.4	FLORIDA MEMORIAL	0.0

BUDGET SHARE--RESEARCH EXCLUDED

TOTAL ACADEMIC		INSTRUCTION		LIBRARIES	
HOWARD	44.5	HOWARD	40.9	HAMPTON	3.7
HAMPTON	37.9	TUSKEGEE	35.6	HOWARD	3.6
TUSKEGEE	37.5	HAMPTON	34.2	XAVIER	2.3
XAVIER	36.5	XAVIER	34.2	MOREHOUSE	2.2
SPELMAN	34.2	SPELMAN	32.6	BETHUNE COOKMAN	2.2
MOREHOUSE	31.8	MOREHOUSE	29.6	TUSKEGEE	1.9
BETHUNE COOKMAN	28.3	BETHUNE COOKMAN	26.0	SPELMAN	1.6
FLORIDA MEMORIAL	23.4	FLORIDA MEMORIAL	23.4	FLORIDA MEMORIAL	0.0

TABLE A9.3: 1985-86 EXPENDITURES OF HOWARD UNIVERSITY AND PRIVATE HBCUS, RANKED

DOLLARS PER FTE

TOTAL ADMINISTRATIVE		STUDENT SERVICES		INSTITUTIONAL SUPPORT		ACADEM SUPPO	
HOWARD	$5,981	HOWARD	$1,237	HOWARD	$3,715	HOWARD	$1,0
SPELMAN	2,961	SPELMAN	859	SPELMAN	1,849	TUSKEGEE	5
XAVIER	2,767	XAVIER	849	XAVIER	1,598	XAVIER	3
TUSKEGEE	2,418	BETHUNE COOKMAN	807	MOREHOUSE	1,525	SPELMAN	2
BETHUNE COOKMAN	2,360	FLORIDA MEMORIAL	637	FLORIDA MEMORIAL	1,433	HAMPTON	1
FLORIDA MEMORIAL	2,212	HAMPTON	623	BETHUNE COOKMAN	1,422	FLORIDA MEMORIAL	1
MOREHOUSE	2,069	TUSKEGEE	576	TUSKEGEE	1,291	BETHUNE COOKMAN	1
HAMPTON	1,920	MOREHOUSE	508	HAMPTON	1,103	MOREHOUSE	

BUDGET SHARE--RESEARCH INCLUDED

TOTAL ADMINISTRATIVE		STUDENT SERVICES		INSTITUTIONAL SUPPORT		ACADEM SUPPO	
SPELMAN	36.7	SPELMAN	10.7	MOREHOUSE	24.6	TUSKEGEE	4
MOREHOUSE	33.4	FLORIDA MEMORIAL	9.5	SPELMAN	22.9	HOWARD	4
FLORIDA MEMORIAL	33.1	XAVIER	9.2	FLORIDA MEMORIAL	21.4	XAVIER	3
XAVIER	29.9	BETHUNE COOKMAN	8.8	XAVIER	17.3	SPELMAN	3
HOWARD	26.2	MOREHOUSE	8.2	HOWARD	16.3	HAMPTON	2
BETHUNE COOKMAN	25.6	HAMPTON	7.9	BETHUNE COOKMAN	15.4	FLORIDA MEMORIAL	2
HAMPTON	24.2	HOWARD	5.4	HAMPTON	13.9	BETHUNE COOKMAN	1
TUSKEGEE	20.8	TUSKEGEE	5.0	TUSKEGEE	11.1	MOREHOUSE	0

BUDGET SHARE--RESEARCH EXCLUDED

TOTAL ADMINISTRATIVE		STUDENT SERVICES		INSTITUTIONAL SUPPORT		ACADEM SUPPO	
SPELMAN	38.0	SPELMAN	11.0	MOREHOUSE	25.6	TUSKEGEE	5
MOREHOUSE	34.7	XAVIER	9.6	SPELMAN	23.7	HOWARD	4
FLORIDA MEMORIAL	33.1	FLORIDA MEMORIAL	9.5	FLORIDA MEMORIAL	21.4	XAVIER	3
XAVIER	31.2	BETHUNE COOKMAN	9.0	XAVIER	18.0	SPELMAN	3
HOWARD	27.8	HAMPTON	8.6	HOWARD	17.3	HAMPTON	2
HAMPTON	26.5	MOREHOUSE	8.5	BETHUNE COOKMAN	15.9	FLORIDA MEM.	2
BETHUNE COOKMAN	26.3	HOWARD	5.8	HAMPTON	15.2	BETHUNE COOKMAN	1
TUSKEGEE	23.3	TUSKEGEE	5.5	TUSKEGEE	12.4	MOREHOUSE	0

TABLE A9.3: 1985-86 EXPENDITURES OF HOWARD UNIVERSITY AND PRIVATE HBCUS, RANKED

DOLLARS PER FTE

SCHOLARSHIP		RESEARCH		PUBLIC SERVICE		PLANT OP,MAI MAND ED TI	
BETHUNE COOKMAN	$3,125	HOWARD	$1,332	HOWARD	$1,725	HOWARD	$3.
FLORIDA MEMORIAL	2,191	TUSKEGEE	1,226	TUSKEGEE	1,094	TUSKEGEE	1
XAVIER	1,878	HAMPTON	697	FLORIDA MEMORIAL	296	HAMPTON	1.
TUSKEGEE	1,606	XAVIER	382	HAMPTON	293	BETHUNE COOKMAN	
SPELMAN	1,384	SPELMAN	267	SPELMAN	93	XAVIER	
MOREHOUSE	1,206	BETHUNE COOKMAN	250	XAVIER	46	MOREHOUSE	
HOWARD	1,135	MOREHOUSE	233	BETHUNE COOKMAN	4	SPELMAN	
HAMPTON	912	FLORIDA MEMORIAL	0	MOREHOUSE	0	FLORIDA MEMORIAL	

BUDGET SHARE--RESEARCH INCLUDED

SCHOLARSHIP		RESEARCH		PUBLIC SERVICE		PLANT OP,MA MAND ED T	
BETHUNE COOKMAN	33.9	TUSKEGEE	10.6	TUSKEGEE	9.4	HAMPTON	
FLORIDA MEMORIAL	32.7	HAMPTON	8.8	HOWARD	7.6	HOWARD	
XAVIER	20.3	HOWARD	5.8	FLORIDA MEMORIAL	4.4	MOREHOUSE	
MOREHOUSE	19.5	XAVIER	4.1	HAMPTON	3.7	TUSKEGEE	
SPELMAN	17.2	MOREHOUSE	3.8	SPELMAN	1.2	BETHUNE COOKMAN	
TUSKEGEE	13.8	SPELMAN	3.3	XAVIER	0.5	XAVIER	
HAMPTON	11.5	BETHUNE COOKMAN	2.7	BETHUNE COOKMAN	0.0	SPELMAN	
HOWARD	5.0	FLORIDA MEMORIAL	0.0	MOREHOUSE	0.0	FLORIDA MEMORIAL	

BUDGET SHARE--RESEARCH EXCLUDED

SCHOLARSHIP		RESEARCH		PUBLIC SERVICE		PLANT OP,MA MAND ED T	
BETHUNE COOKMAN	34.8	FLORIDA MEMORIAL	N/A	TUSKEGEE	10.5	HAMPTON	
FLORIDA MEMORIAL	32.7	MOREHOUSE	N/A	HOWARD	8.0	HOWARD	
XAVIER	21.1	SPELMAN	N/A	FLORIDA MEMORIAL	4.4	MOREHOUSE	
MOREHOUSE	20.2	HAMPTON	N/A	HAMPTON	4.0	TUSKEGEE	
SPELMAN	17.8	TUSKEGEE	N/A	SPELMAN	1.2	XAVIER	
TUSKEGEE	15.5	HOWARD	N/A	XAVIER	0.5	BETHUNE COOKMAN	
HAMPTON	12.6	BETHUNE COOKMAN	N/A	BETHUNE COOKMAN	0.0	SPELMAN	
HOWARD	5.3	XAVIER	N/A	MOREHOUSE	0.0	FLORIDA MEMORIAL	

TABLE A9.3: 1985-86 EXPENDITURES OF HOWARD UNIVERSITY AND PRIVATE HBCUS, RANKED

DOLLARS PER FTE

	TOTAL E & G EXPENDITURES		TOTAL E & G EXP LESS RESEARCH
HOWARD	$22,843	HOWARD	$21,511
TUSKEGEE	11,614	TUSKEGEE	10,387
XAVIER	9,263	BETHUNE COOKMAN	8,971
BETHUNE COOKMAN	9,220	XAVIER	8,881
SPELMAN	8,063	SPELMAN	7,796
HAMPTON	7,933	HAMPTON	7,236
FLORIDA MEMORIAL	6,691	FLORIDA MEMORIAL	6,691
MOREHOUSE	6,199	MOREHOUSE	5,966

TABLE A10.1
HOWARD UNIVERSITY AND PUBLIC HBCUS
GENERAL EDUCATION REVENUES PER FTE
ACADEMIC YEAR 1985-86
BUDGET SHARE

	HOWARD	UDC	JACKSON STATE	TEXAS SOUTHERN	NORTH CAROLINA A&T	NORFC ST/
TUITION & FEES	17.1	7.5	25.0	24.3	16.6	23
FEDERAL APPROPRIATIONS	65.3	0.0	0.0	0.0	0.0	0.
STATE & LOCAL APPROPRIATIONS	0.0	82.7	49.6	62.1	58.9	66.
FEDERAL GRANTS & CONTRACTS	8.9	6.2	19.6	6.3	21.1	6
STATE, LOC GRANTS & CONTRACTS	0.1	2.5	1.4	3.6	0.7	3.
PRIVATE GRANTS & CONTRACTS	3.4	0.2	2.1	1.7	0.5	0.
ENDOWMENT INCOME	1.0	0.9	0.0	0.3	0.1	0.
SALES & SERVICES	4.2	0.0	2.4	1.7	2.1	0.
GENERAL EDUCATION REVENUE	100.0	100.0	100.0	100.0	100.0	100.

	ARKANSAS (LR)	FLORIDA A&M
TUITION & FEES	23.2	13.4
FEDERAL APPROPRIATIONS	0.0	0.1
STATE & LOCAL APPROPRIATIONS	61.2	64.3
FEDERAL GRANTS & CONTRACTS	9.5	16.1
STATE, LOC GRANTS & CONTRACTS	2.0	4.6
PRIVATE GRANTS & CONTRACTS	2.3	1.6
ENDOWMENT INCOME	0.2	0.0
SALES & SERVICES	1.6	0.0
GENERAL EDUCATION REVENUE	100.0	100.0

TABLE A10.2: 1985-86 REVENUES OF HOWARD UNIVERSITY AND PUBLIC HBCUS, RANKED

DOLLARS PER FTE

TUITION & FEES		FEDERAL APPROPRIATIONS		STATE & LOCAL APPROPRIATIONS	
HOWARD	$3,999	HOWARD	$15,230	UDC	$9,658
TEXAS SOUTHERN	1,730	FLORIDA A & M	6	FLORIDA A & M	7,336
JACKSON STATE	1,587	NC A & T	3	NC A & T	5,000
FLORIDA A & M	1,534	NORFOLK STATE	0	TEXAS SOUTHERN	4,418
NC A & T	1,409	ARKANSAS (LR)	0	ARKANSAS (LR)	3,560
ARKANSAS (LR)	1,350	UDC	0	NORFOLK STATE	3,465
NORFOLK STATE	1,218	JACKSON STATE	0	JACKSON STATE	3,152
UDC	878	TEXAS SOUTHERN	0	HOWARD	0

BUDGET SHARE

TUITION & FEES		FEDERAL APPROPRIATIONS		STATE & LOCAL APPROPRIATIONS	
JACKSON STATE	25.0	HOWARD	65.3	UDC	82.7
TEXAS SOUTHERN	24.3	FLORIDA A + M	0.1	NORFOLK STATE	66.2
NORFOLK STATE	23.3	NC A & T	0.0	FLORIDA A + M	64.3
ARKANSAS (LR)	23.2	JACKSON STATE	0.0	TEXAS SOUTHERN	62.1
HOWARD	17.1	TEXAS SOUTHERN	0.0	ARKANSAS (LR)	61.2
NC A & T	16.6	UDC	0.0	NC A & T	58.9
FLORIDA A + M	13.4	NORFOLK STATE	0.0	JACKSON STATE	49.6
UDC	7.5	ARKANSAS (LR)	0.0	HOWARD	0.0

TABLE A:0.2: 1985-86 REVENUES OF HOWARD UNIVERSITY AND PUBLIC HBCUS, RANKED

DOLLARS PER FTE

FEDERAL GRANTS & CONTRACTS		STATE & LOCAL GRANTS & CONTRACTS		PRIVATE GRANTS & CONTRACTS	
HOWARD	$2,066	FLORIDA A & M	$520	HOWARD	$798
FLORIDA A & M	1,838	UDC	286	FLORIDA A & M	182
NC A & T	1,789	TEXAS SOUTHERN	255	ARKANSAS (LR)	135
JACKSON STATE	1,247	NORFOLK STATE	181	JACKSON STATE	134
UDC	727	ARKANSAS (LR)	117	TEXAS SOUTHERN	121
ARKANSAS (LR)	555	JACKSON STATE	86	NC A & T	39
TEXAS SOUTHERN	447	NC A & T	63	UDC	18
NORFOLK STATE	356	HOWARD	23	NORFOLK STATE	16

BUDGET SHARE

FEDERAL GRANTS & CONTRACTS		STATE & LOCAL GRANTS & CONTRACTS		PRIVATE GRANTS & CONTRACTS	
NC A & T	21.1	FLORIDA A + M	4.6	HOWARD	3.4
JACKSON STATE	19.6	TEXAS SOUTHERN	3.6	ARKANSAS (LR)	2.3
FLORIDA A + M	16.1	NORFOLK STATE	3.5	JACKSON STATE	2.1
ARKANSAS (LR)	9.5	UDC	2.5	TEXAS SOUTHERN	1.7
HOWARD	8.9	ARKANSAS (LR)	2.0	FLORIDA A + M	1.6
NORFOLK STATE	6.8	JACKSON STATE	1.4	NC A & T	0.5
TEXAS SOUTHERN	6.3	NC A & T	0.7	NORFOLK STATE	0.3
UDC	6.2	HOWARD	0.1	UDC	0.2

TABLE A10.2: 1985-86 REVENUES OF HOWARD UNIVERSITY AND PUBLIC HBCUS, RANKED

DOLLARS PER FTE

ENDOWMENT INCOME		SALES & SERVICES		GENERAL EDUCATION REVENUE	
HOWARD	$225	HOWARD	$983	HOWARD	$23,325
UDC	104	NC A & T	174	UDC	11,671
TEXAS SOUTHERN	18	JACKSON STATE	152	FL A & M	11,415
ARKANSAS (LR)	12	TEXAS SOUTHERN	120	NC A & T	8,482
NC A & T	6	ARKANSAS (LR)	91	TEXAS SOUTHERN	7,110
NORFOLK STATE	0	NORFOLK STATE	0	JACKSON STATE	6,359
JACKSON STATE	0	UDC	0	ARKANSAS (LR)	5,820
FL A & M	0	FL A & M	0	NORFOLK STATE	5,235

BUDGET SHARE

ENDOWMENT INCOME		SALES & SERVICES	
HOWARD	1.0	HOWARD	4.2
UDC	0.9	JACKSON STATE	2.4
TEXAS SOUTH.	0.3	NC A & T	2.1
ARKANSAS (LR)	0.2	TEXAS SOUTHERN	1.7
NC A & T	0.1	ARKANSAS (LR)	1.6
NORFOLK STATE	0.0	NORFOLK STATE	0.0
JACKSON STATE	0.0	UDC	0.0
FLORIDA A + M	0.0	FLORIDA A + M	0.0

TABLE A11.1
HOWARD UNIVERSITY AND PUBLIC HBCUS
EDUCATIONAL AND GENERAL EXPENDITURES PER FTE
ACADEMIC YEAR 1985-86
BUDGET SHARE (INCLUDING RESEARCH)

	HOWARD	UDC	JACKSON STATE	TEXAS SOUTHERN	NORTH CAROLINA A&T	NORFOLK STATE
ACADEMIC - TOTAL	41.9	47.5	38.2	49.2	41.2	45.3
- INSTRUCTION	38.5	43.7	35.8	45.0	38.0	41.9
- LIBRARIES	3.4	3.8	2.5	4.2	3.2	3.4
ADMINISTRATIVE - TOTAL	26.2	23.5	27.8	21.3	21.0	25.6
- STUDENT SERVICES	5.4	4.0	12.4	5.5	3.5	7.2
- INSTITUTIONAL SUPPORT	16.3	16.8	12.2	12.7	8.8	12.2
- ACADEMIC SUPPORT	4.5	2.7	3.2	3.2	8.7	6.1
SCHOLARSHIP	5.0	3.8	21.5	14.7	10.1	17.6
RESEARCH	5.8	2.9	3.2	2.5	10.2	2.4
PUBLIC SERVICE	7.6	7.1	0.0	0.0	5.4	0.6
PLANT OP/MAINT/MAND ED TRAN	13.5	15.2	9.3	12.2	12.0	8.5
TOTAL E&G EXPENDITURES	100.0	100.0	100.0	100.0	100.0	100.0

	ARKANSAS (LR)	FLORIDA A&M
ACADEMIC - TOTAL	48.9	38.1
- INSTRUCTION	45.7	34.4
- LIBRARIES	3.2	3.6
ADMINISTRATIVE - TOTAL	25.0	25.9
- STUDENT SERVICES	4.5	5.1
- INSTITUTIONAL SUPPORT	11.8	10.5
- ACADEMIC SUPPORT	8.7	10.3
SCHOLARSHIP	4.7	11.0
RESEARCH	1.0	8.2
PUBLIC SERVICE	10.9	3.7
PLANT OP/MAINT/MAND ED TRAN	9.5	13.1
TOTAL E&G EXPENDITURES	100.0	100.0

TABLE A11.2
HOWARD UNIVERSITY AND PUBLIC HBCUS
EDUCATIONAL AND GENERAL EXPENDITURES PER FTE
ACADEMIC YEAR 1985-86
BUDGET SHARE (EXCLUDING RESEARCH)

	HOWARD	UDC	JACKSON STATE	TEXAS SOUTHERN	NORTH CAROLINA A&T	NORFOLK STATE
ACADEMIC - TOTAL	44.5	48.9	39.4	50.5	45.9	46.5
- INSTRUCTION	40.9	45.0	36.9	46.2	42.3	43.0
- LIBRARIES	3.6	3.9	2.5	4.3	3.6	3.4
ADMINISTRATIVE - TOTAL	27.8	24.2	28.7	21.9	23.4	26.2
- STUDENT SERVICES	5.8	4.1	12.9	5.6	3.9	7.4
- INSTITUTIONAL SUPPORT	17.3	17.3	12.6	13.0	9.8	12.6
- ACADEMIC SUPPORT	4.8	2.8	3.3	3.2	9.7	6.2
SCHOLARSHIP	5.3	4.0	22.2	15.0	11.2	18.0
RESEARCH	0.0	0.0	0.0	0.0	0.0	0.0
PUBLIC SERVICE	8.0	7.3	0.0	0.0	6.0	0.6
PLANT OP/MAINT/MAND ED TRAN	14.4	15.7	9.6	12.6	13.4	8.8
TOTAL E&G EXP LESS RESEARCH	100.0	100.0	100.0	100.0	100.0	100.0

	ARKANSAS (LR)	FLORIDA A&M
ACADEMIC - TOTAL	49.4	41.5
- INSTRUCTION	46.1	37.5
- LIBRARIES	3.2	4.0
ADMINISTRATIVE - TOTAL	25.3	28.2
- STUDENT SERVICES	4.5	5.5
- INSTITUTIONAL SUPPORT	11.9	11.4
- ACADEMIC SUPPORT	8.8	11.3
SCHOLARSHIP	4.7	12.0
RESEARCH	0.0	0.0
PUBLIC SERVICE	11.0	4.0
PLANT OP/MAINT/MAND ED TRAN	9.6	14.3
TOTAL E&G EXP LESS RESEARCH	100.0	100.0

TABLE A11.3: 1985-86 EXPENDITURES OF HOWARD UNIVERSITY AND PUBLIC HBCUS, RANKED

DOLLARS PER FTE

TOTAL ACADEMIC		INSTRUCTION		LIBRARIES	
HOWARD	$9,579	HOWARD	$8,798	HOWARD	$781
UDC	5,480	UDC	5,043	UDC	437
FLORIDA A & M	4,576	FLORIDA A & M	4,139	FLORIDA A & M	437
NC A & T	3,813	NC A & T	3,513	NC A & T	300
TEXAS SOUTHERN	3,107	TEXAS SOUTHERN	2,843	TEXAS SOUTHERN	264
ARKANSAS (LR)	3,041	ARKANSAS (LR)	2,841	ARKANSAS (LR)	200
JACKSON STATE	2,850	JACKSON STATE	2,668	NORFOLK STATE	199
NORFOLK STATE	2,683	NORFOLK STATE	2,483	JACKSON STATE	183

BUDGET SHARE--RESEARCH INCLUDED

TOTAL ACADEMIC		INSTRUCTION		LIBRARIES	
TEXAS SOUTHERN	49.2	ARKANSAS (LR)	45.7	TEXAS SOUTHERN	4.2
ARKANSAS (LR)	48.9	TEXAS SOUTHERN	45.0	UDC	3.8
UDC	47.5	UDC	43.7	FLORIDA A & M	3.6
NORFOLK STATE	45.3	NORFOLK STATE	41.9	HOWARD	3.4
HOWARD	41.9	HOWARD	38.5	NORFOLK STATE	3.4
NC A & T	41.2	NC A & T	38.0	NC A & T	3.2
JACKSON STATE	38.2	JACKSON STATE	35.8	ARKANSAS (LR)	3.2
FLORIDA A & M	38.1	FLORIDA A & M	34.4	JACKSON STATE	2.5

BUDGET SHARE--RESEARCH EXCLUDED

TOTAL ACADEMIC		INSTRUCTION		LIBRARIES	
TEXAS SOUTHERN	50.5	TEXAS SOUTHERN	46.2	TEXAS SOUTHERN	4.3
ARKANSAS (LR)	49.4	ARKANSAS (LR)	46.1	FLORIDA A & M	4.0
UDC	48.9	UDC	45.0	UDC	3.9
NORFOLK STATE	46.5	NORFOLK STATE	43.0	HOWARD	3.6
NC A & T	45.9	NC A & T	42.3	NC A & T	3.6
HOWARD	44.5	HOWARD	40.9	NORFOLK STATE	3.4
FLORIDA A & M	41.5	FLORIDA A & M	37.5	ARKANSAS (LR)	3.2
JACKSON STATE	39.4	JACKSON STATE	36.9	JACKSON STATE	2.5

TABLE A11.3: 1985-86 EXPENDITURES OF HOWARD UNIVERSITY AND PUBLIC HBCUS, RANKED

DOLLARS PER FTE

TOTAL ADMINISTRATIVE		STUDENT SERVICES		INSTITUTIONAL SUPPORT		ACADEM SUPPO	
HOWARD	$5,981	HOWARD	$1,237	HOWARD	$3,715	FLORIDA A & M	$1,2
FLORIDA A & M	3,113	JACKSON STATE	929	UDC	1,936	HOWARD	1,0
UDC	2,709	FLORIDA A & M	610	FLORIDA A & M	1,260	NC A & T	8
JACKSON STATE	2,075	UDC	456	JACKSON STATE	908	ARKANSAS (LR)	5
NC A & T	1,942	NORFOLK STATE	429	NC A & T	811	NORFOLK STATE	3
ARKANSAS (LR)	1,557	TEXAS SOUTHERN	347	TEXAS SOUTHERN	801	UDC	3
NORFOLK STATE	1,513	NC A & T	323	ARKANSAS (LR)	735	JACKSON STATE	2
TEXAS SOUTHERN	1,347	ARKANSAS (LR)	278	NORFOLK STATE	725	TEXAS SOUTHERN	1

BUDGET SHARE--RESEARCH INCLUDED

TOTAL ADMINISTRATIVE		STUDENT SERVICES		INSTITUTIONAL SUPPORT		ACADEM SUPPO	
JACKSON STATE	27.8	JACKSON STATE	12.4	UDC	16.8	FLORIDA A & M	10
HOWARD	26.2	NORFOLK STATE	7.2	HOWARD	16.3	ARKANSAS (LR)	8
FLORIDA A & M	25.9	TEXAS SOUTHERN	5.5	TEXAS SOUTHERN	12.7	NC A & T	8
NORFOLK STATE	25.6	HOWARD	5.4	NORFOLK STATE	12.2	NORFOLK STATE	6
ARKANSAS (LR)	25.0	FLORIDA A & M	5.1	JACKSON STATE	12.2	HOWARD	4
UDC	23.5	ARKANSAS (LR)	4.5	ARKANSAS (LR)	11.8	JACKSON STATE	3
TEXAS SOUTHERN	21.3	UDC	4.0	FLORIDA A & M	10.5	TEXAS SOUTHERN	3
NC A & T	21.0	NC A & T	3.5	NC A & T	8.8	UDC	2

BUDGET SHARE--RESEARCH EXCLUDED

TOTAL ADMINISTRATIVE		STUDENT SERVICES		INSTITUTIONAL SUPPORT		ACADEM SUPPO	
JACKSON STATE	28.7	JACKSON STATE	12.9	HOWARD	17.3	FLORIDA A & M	1
FLORIDA A & M	28.2	NORFOLK STATE	7.4	UDC	17.3	NC A & T	
HOWARD	27.8	HOWARD	5.8	TEXAS SOUTHERN	13.0	ARKANSAS (LR)	
NORFOLK STATE	26.2	TEXAS SOUTHERN	5.6	JACKSON STATE	12.6	NORFOLK STATE	
ARKANSAS (LR)	25.3	FLORIDA A & M	5.5	NORFOLK STATE	12.6	HOWARD	
UDC	24.2	ARKANSAS (LR)	4.5	ARKANSAS (LR)	11.9	JACKSON STATE	
NC A & T	23.4	UDC	4.1	FLORIDA A & M	11.4	TEXAS SOUTHERN	3
TEXAS SOUTHERN	21.9	NC A & T	3.9	NC A & T	9.8	UDC	

TABLE A11.3: 1985-86 EXPENDITURES OF HOWARD UNIVERSITY AND PUBLIC HBCUS, RANKED

DOLLARS PER FTE

SCHOLARSHIP		RESEARCH		PUBLIC SERVICE		PLANT OP,MAINT MAND ED TRANS	
JACKSON STATE	$1,603	HOWARD	$1,332	HOWARD	$1,725	HOWARD	$3,09
FLORIDA A & M	1,328	FLORIDA A & M	988	UDC	822	UDC	1,75
HOWARD	1,135	NC A & T	945	ARKANSAS (LR)	678	FLORIDA A & M	1,57
NORFOLK STATE	1,039	UDC	330	NC A & T	500	NC A & T	1,11
NC A & T	934	JACKSON STATE	237	FLORIDA A & M	439	TEXAS SOUTHERN	77
TEXAS SOUTHERN	926	TEXAS SOUTHERN	161	NORFOLK STATE	35	JACKSON STATE	69
UDC	443	NORFOLK STATE	144	TEXAS SOUTHERN	2	ARKANSAS (LR)	59
ARKANSAS (LR)	290	ARKANSAS (LR)	64	JACKSON STATE	0	NORFOLK STATE	50

BUDGET SHARE--RESEARCH INCLUDED

SCHOLARSHIP		RESEARCH		PUBLIC SERVICE		PLANT OP,MAINT MAND ED TRANS	
JACKSON STATE	21.5	NC A & T	10.2	ARKANSAS (LR)	10.9	UDC	15.
NORFOLK STATE	17.6	FLORIDA A & M	8.2	HOWARD	7.6	HOWARD	13.
TEXAS SOUTHERN	14.7	HOWARD	5.8	UDC	7.1	FLORIDA A & M	13.
FLORIDA A & M	11.0	JACKSON STATE	3.2	NC A & T	5.4	TEXAS SOUTHERN	12.
NC A & T	10.1	UDC	2.9	FLORIDA A & M	3.7	NC A & T	12.
HOWARD	5.0	TEXAS SOUTHERN	2.5	NORFOLK STATE	0.6	ARKANSAS (LR)	9.
ARKANSAS (LR)	4.7	NORFOLK STATE	2.4	TEXAS SOUTHERN	0.0	JACKSON STATE	9.
UDC	3.8	ARKANSAS (LR)	1.0	JACKSON STATE	0.0	NORFOLK STATE	8.

BUDGET SHARE--RESEARCH EXCLUDED

SCHOLARSHIP		RESEARCH		PUBLIC SERVICE		PLANT OP,MAIN MAND ED TRANS	
JACKSON STATE	22.2	NORFOLK STATE	N/A	ARKANSAS (LR)	11.0	UDC	15.
NORFOLK STATE	18.0	NC A & T	N/A	HOWARD	8.0	HOWARD	14.
TEXAS SOUTHERN	15.0	FLORIDA A & M	N/A	UDC	7.3	FLORIDA A & M	14.
FLORIDA A & M	12.0	ARKANSAS (LR)	N/A	NC A & T	6.0	NC A & T	13.
NC A & T	11.2	UDC	N/A	FLORIDA A & M	4.0	TEXAS SOUTHERN	12.
HOWARD	5.3	HOWARD	N/A	NORFOLK STATE	0.6	JACKSON STATE	9.
ARKANSAS (LR)	4.7	TEXAS SOUTHERN	N/A	TEXAS SOUTHERN	0.0	ARKANSAS (LR)	9.
UDC	4.0	JACKSON STATE	N/A	JACKSON STATE	0.0	NORFOLK STATE	8.

TABLE A11.3: 1985-86 EXPENDITURES OF HOWARD UNIVERSITY AND PUBLIC HBCUS, RANKED

DOLLARS PER FTE

	TOTAL E & G EXPENDITURES		TOTAL E & G EXP LESS RESEARCH
HOWARD	$22,843	HOWARD	$21,511
FLORIDA A & M	12,021	UDC	11,211
UDC	11,541	FLORIDA A & M	11,033
NC A & T	9,248	NC A & T	8,303
JACKSON STATE	7,462	JACKSON STATE	7,225
TEXAS SOUTHERN	6,316	ARKANSAS (LR)	6,158
ARKANSAS (LR)	6,221	TEXAS SOUTHERN	6,155
NORFOLK STATE	5,920	NORFOLK STATE	5,776

TABLE A12.1
HOWARD UNIVERSITY AND PUBLIC INSTITUTIONS WITH HOSPITALS
GENERAL EDUCATION REVENUE PER FTE
ACADEMIC YEAR 1985-86
BUDGET SHARE

	HOWARD	ILLINOIS (CHICAGO)	IU/PURDUE (INDIANAPOLIS)	CINCINNATI	TEMPLE	CALIFOR (IRV
TUITION & FEES	17.1	13.3	14.8	22.1	39.7	11
FEDERAL APPROPRIATIONS	65.3	0.0	0.0	0.0	0.0	C
STATE & LOCAL APPROPRIATIONS	0.0	64.9	56.8	45.9	40.7	49
FEDERAL GRANTS & CONTRACTS	8.9	11.1	12.3	12.7	9.9	17
STATE, LOC GRANTS & CONTRACTS	0.1	2.6	2.0	1.0	3.5	6
PRIVATE GRANTS & CONTRACTS	3.4	4.7	6.5	6.5	4.8	4
ENDOWMENT INCOME	1.0	0.2	0.1	4.0	0.5	1
SALES & SERVICES	4.2	3.2	7.6	7.9	0.9	10
GENERAL EDUCATION REVENUE	100.0	100.0	100.0	100.0	100.0	100

	ALABAMA (BIRMINGHAM)	KENTUCKY	MISSOURI (COLUMBIA)	NORTH DAKOTA	UTAH	COMMONWEA
TUITION & FEES	8.4	12.7	16.7	16.0	11.7	1
FEDERAL APPROPRIATIONS	0.0	5.0	3.9	0.0	0.0	2
STATE & LOCAL APPROPRIATIONS	54.9	60.0	50.5	44.6	42.2	4
FEDERAL GRANTS & CONTRACTS	23.3	7.4	8.5	21.1	22.7	1
STATE, LOC GRANTS & CONTRACTS	1.6	4.3	1.8	0.0	1.2	
PRIVATE GRANTS & CONTRACTS	7.8	5.1	6.0	5.6	6.3	
ENDOWMENT INCOME	0.5	1.2	1.3	0.1	1.8	
SALES & SERVICES	3.4	4.4	11.4	12.6	14.0	
GENERAL EDUCATION REVENUE	100.0	100.0	100.0	100.0	100.0	10

TABLE A12.2: 1985-86 REVENUES OF HOWARD UNIVERSITY AND PUBLIC INSTITUTIONS WITH HOSPITALS, RANKED

DOLLARS PER FTE

TUITION & FEES		FEDERAL APPROPRIATIONS		STATE & LOCAL APPROPRIATIONS	
TEMPLE	$4,448	HOWARD	$15,230	ALABAMA (BIRMINGHAM)	$13,568
HOWARD	3,999	VA COMMONWEALTH	4,554	ILLINOIS (CHICAGO)	10,734
CINCINNATI	2,741	KENTUCKY	762	CALIFORNIA (IRVINE)	10,063
VA COMMONWEALTH	2,405	MISSOURI (COLUMBIA)	319	KENTUCKY	9,170
CALIFORNIA (IRVINE)	2,258	CALIFORNIA (IRVINE)	27	VA COMMONWEALTH	8,716
MISSOURI (COLUMBIA)	2,234	N DAKOTA (GRAND FORKS)	0	IU/PURDUE (INDIANAPOLIS)	7,353
ILLINOIS (CHICAGO)	2,199	UTAH	0	MISSOURI (COLUMBIA)	6,739
ALABAMA (BIRMINGHAM)	2,087	ILLINOIS (CHICAGO)	0	UTAH	6,064
KENTUCKY	1,939	IU/PURDUE (INDIANAPOLIS)	0	CINCINNATI	5,686
IU/PURDUE (INDIANAPOLIS)	1,914	TEMPLE	0	N DAKOTA (GRAND FORKS)	4,594
UTAH	1,683	ALABAMA (BIRMINGHAM)	0	TEMPLE	4,554
N DAKOTA (GRAND FORKS)	1,650	CINCINNATI	0	HOWARD	0

BUDGET SHARE

TUITION & FEES		FEDERAL APPROPRIATIONS		STATE & LOCAL APPROPRIATIONS	
TEMPLE	39.7	HOWARD	65.3	ILLINOIS (CHICAGO)	64.9
CINCINNATI	22.1	VA COMMONWEALTH	23.8	KENTUCKY	60.0
HOWARD	17.1	KENTUCKY	5.0	IU/PURDUE (INDIANAPOLIS)	56.8
MISSOURI (COLUMBIA)	16.7	MISSOURI (COLUMBIA)	3.9	ALABAMA (BIRMINGHAM)	54.9
N DAKOTA (GRAND FORKS)	16.0	CALIFORNIA (IRVINE)	0.1	MISSOURI (COLUMBIA)	50.5
IU/PURDUE (INDIANAPOLIS)	14.8	N DAKOTA (GRAND FORKS)	0.0	CALIFORNIA (IRVINE)	49.2
ILLINOIS (CHICAGO)	13.3	UTAH	0.0	CINCINNATI	45.9
KENTUCKY	12.7	ILLINOIS (CHICAGO)	0.0	VA COMMONWEALTH	45.6
VA COMMONWEALTH	12.6	IU/PURDUE (INDIANAPOLIS)	0.0	N DAKOTA (GRAND FORKS)	44.6
UTAH	11.7	TEMPLE	0.0	UTAH	42.2
CALIFORNIA (IRVINE)	11.0	ALABAMA (BIRMINGHAM)	0.0	TEMPLE	40.7
ALABAMA (BIRMINGHAM)	8.4	U OF CINCINNATI	0.0	HOWARD	0.0

TABLE A12.2: 1985-86 REVENUES OF HOWARD UNIVERSITY AND PUBLIC INSTITUTIONS WITH HOSPITALS, RANKED

DOLLARS PER FTE

FEDERAL GRANTS & CONTRACTS		STATE & LOCAL GRANTS & CONTRACTS		PRI GRANTS & CONTR	
ALABAMA (BIRMINGHAM)	$5,759	CALIFORNIA (IRVINE)	$1,242	ALABAMA (BIRMINGHAM)	$1
CALIFORNA (IRVINE)	3,533	KENTUCKY	656	UTAH	
UTAH	3,262	ILLINOIS (CHICAGO)	424	CALIFORNIA (IRVINE)	
VA COMMONWEALTH	2,367	ALABAMA (BIRMINGHAM)	404	IU/PURDUE(INDIANAPOLIS)	
N DAKOTA (GRAND FORKS)	2,171	TEMPLE	392	CINCINNATI	
HOWARD	2,066	IU/PURDUE(INDIANAPOLIS)	257	MISSOURI (COLUMBIA)	
ILLINOIS (CHICAGO)	1,834	MISSOURI (COLUMBIA)	240	HOWARD	
IU/PURDUE(INDIANAPOLIS)	1,588	UTAH	167	ILLINOIS (CHICAGO)	
CINCINNATI	1,567	VA COMMONWEALTH	166	KENTUCKY	
MISSOURI (COLUMBIA)	1,140	CINCINNATI	118	N DAKOTA (GRAND FORKS)	
KENTUCKY	1,134	HOWARD	23	TEMPLE	
TEMPLE	1,105	N DAKOTA (GRAND FORKS)	0	VA COMMONWEALTH	

BUDGET SHARE

FEDERAL GRANTS & CONTRACTS		STATE & LOCAL GRANTS & CONTRACTS		PRI GRANTS & CONTR	
ALABAMA (BIRMINGHAM)	23.3	U.C. IRVINE	6.1	ALABAMA (BIRMINGHAM)	
UTAH	22.7	U OF KENT.(LEX)	4.3	IU/PURDUE (INDIANAPOLIS	
N DAKOTA (GRAND FORKS)	21.1	TEMPLE	3.5	CINCINNATI	
CALIFORNIA (IRVINE)	17.3	U OF ILL. (CHI)	2.6	UTAH	
CINCINNATI	12.7	IND U/PURD(IND)	2.0	MISSOURI (COLUMBIA)	
VA COMMONWEALTH	12.4	U OF MISS(COL)	1.8	N DAKOTA (GRAND FORKS)	
IU/PURDUE	12.3	U OF ALAB(BIRM)	1.6	KENTUCKY	
ILLINOIS(CHICAGO)	11.1	U OF UTAH(SL)	1.2	TEMPLE	
TEMPLE	9.9	U OF CINCINNATI	1.0	ILLINOIS (CHICAGO)	
HOWARD	8.9	VIRG COMM(RICH)	0.9	CALIFORNIA (IRVINE)	
MISSOURI (COLUMBIA)	8.5	HOWARD	0.1	HOWARD	
KENTUCKY	7.4	U OF ND(GRAN F)	0.0	VA COMMONWEALTH	

TABLE A12.2: 1985-86 REVENUES OF HOWARD UNIVERSITY AND PUBLIC INSTITUTIONS WITH HOSPITALS, RANKED

DOLLARS PER FTE

	ENDOWMENT INCOME		SALES & SERVICES		GENERAL EDUCA REV
CINCINNATI	$491	CALIFORNIA (IRVINE)	$2,115	ALABAMA (BIRMINGHAM)	$24,
CALIFORNIA (IRVINE)	320	UTAH	2,017	HOWARD	23.
UTAH	264	MISSOURI (COLUMBIA)	1,529	CALIFORNIA (IRVINE)	20
HOWARD	225	N DAKOTA (GRAND FORKS)	1,299	VA COMMONWEALTH	19
KENTUCKY	180	HOWARD	983	ILLINOIS (CHICAGO)	16.
MISSOURI (COLUMBIA)	177	IU/PURDUE (INDIANAPOLIS)	981	KENTUCKY	15
ALABAMA (BIRMINGHAM)	130	CINCINNATI	973	UTAH	14
TEMPLE	52	ALABAMA (BIRMINGHAM)	832	MISSOURI (COLUMBIA)	13
VA COMMONWEALTH	44	KENTUCKY	670	IU/PURDUE (INDIANAPOLIS)	12
ILLINOIS (CHICAGO)	32	ILLINOIS (CHICAGO)	536	CINCINNATI	12
IU/PURDUE (INDIANAPOLIS)	18	VA COMMONWEALTH	364	TEMPLE	11
N DAKOTA (GRAND FORKS)	14	TEMPLE	105	N DAKOTA (GRAND FORKS)	10

BUDGET SHARE

	ENDOWMENT INCOME		SALES & SERVICES
CINCINNATI	4.0	UTAH	14.0
UTAH	1.8	N DAKOTA (GRAND FORKS)	12.6
CALIFORNIA (IRVINE)	1.6	MISSOURI (COLUMBIA)	11.4
MISSOURI (COLUMBIA)	1.3	CALIFORNIA (IRVINE)	10.3
KENTUCKY	1.2	CINCINNATI	7.9
HOWARD	1.0	IU/PURDUE (INDIANAPOLIS)	7.6
ALABAMA (BIRMINGHAM)	0.5	KENTUCKY	4.4
TEMPLE	0.5	HOWARD	4.2
VA COMMONWEALTH	0.2	ALABAMA (BIRMINGHAM)	3.4
ILLINOIS (CHICAGO)	0.2	ILLINOIS (CHICAGO)	3.2
IU/PURDUE (INDIANAPOLIS)	0.1	VA COMMONWEALTH	1.9
N DAKOTA (GRAND FORKS)	0.1	TEMPLE	0.9

TABLE A13.1
HOWARD UNIVERSITY AND PUBLIC INSTITUTIONS WITH HOSPITALS
EDUCATION AND GENERAL EXPENDITURES PER FTE
ACADEMIC YEAR 1985-86
BUDGET SHARE (INCLUDING RESEARCH)

	HOWARD	ILLINOIS (CHICAGO)	IU/PURDUE (INDIANAPOLIS)	CINCINNATI	TEMPLE	CALIFORNI (IRVINE
ACADEMIC - TOTAL	41.9	43.4	51.8	49.4	44.2	47.7
- INSTRUCTION	38.5	40.7	50.1	45.5	41.4	43.5
- LIBRARIES	3.4	2.7	1.8	3.9	2.8	4.2
ADMINISTRATIVE - TOTAL	26.2	19.6	12.2	15.1	24.2	22.2
- STUDENT SERVICES	5.4	1.7	3.0	3.5	3.4	6.6
- INSTITUTIONAL SUPPORT	16.3	9.3	2.3	6.0	11.8	9.1
- ACADEMIC SUPPORT	4.5	8.5	6.9	5.6	9.0	6.6
SCHOLARSHIP	5.0	4.8	3.8	6.9	7.9	4.2
RESEARCH	5.8	11.0	11.6	11.9	8.1	17.2
PUBLIC SERVICE	7.6	7.2	8.9	7.7	3.0	2.1
PLANT OP/MAINT/MAND ED TRAN	13.5	14.0	11.7	9.0	12.5	6.6
TOTAL E&G EXPENDITURES	100.0	100.0	100.0	100.0	100.0	100.0

	ALABAMA (BIRMINGHAM)	KENTUCKY	MISSOURI (COLUMBIA)	NORTH DAKOTA	UTAH	COMMONWEAL
ACADEMIC - TOTAL	42.5	36.9	41.4	45.4	39.8	50.
- INSTRUCTION	40.5	34.1	37.5	42.8	35.6	47.
- LIBRARIES	2.0	2.8	3.9	2.6	4.1	3.
ADMINISTRATIVE - TOTAL	16.1	16.6	16.5	18.4	14.1	19.
- STUDENT SERVICES	2.1	3.4	3.8	3.6	3.1	2.
- INSTITUTIONAL SUPPORT	8.0	6.6	5.9	8.5	6.9	10.6
- ACADEMIC SUPPORT	5.9	6.6	6.8	6.2	4.1	6.
SCHOLARSHIP	3.2	3.9	4.6	10.2	4.1	4.
RESEARCH	21.8	17.5	19.0	15.1	18.2	15.
PUBLIC SERVICE	7.2	14.9	12.0	1.8	15.9	0.
PLANT OP/MAINT/MAND ED TRAN	9.2	10.2	6.5	9.1	7.9	9.
TOTAL E&G EXPENDITURES	100.0	100.0	100.0	100.0	100.0	100.

TABLE A13.2
HOWARD UNIVERSITY AND PUBLIC INSTITUTIONS WITH HOSPITALS
EDUCATION AND GENERAL EXPENDITURES PER FTE
ACADEMIC YEAR 1985-86
BUDGET SHARE (EXCLUDING RESEARCH)

	HOWARD	ILLINOIS (CHICAGO)	IU/PURDUE (INDIANAPOLIS)	CINCINNATI	TEMPLE	CALIFORNIA (IRVINE)
ACADEMIC - TOTAL	44.5	48.8	58.6	56.0	48.1	57.6
- INSTRUCTION	40.9	45.7	56.6	51.6	45.1	52.5
- LIBRARIES	3.6	3.1	2.0	4.4	3.1	5.1
ADMINISTRATIVE - TOTAL	27.8	22.0	13.8	17.1	26.4	26.8
- STUDENT SERVICES	5.8	1.9	3.4	3.9	3.7	7.9
- INSTITUTIONAL SUPPORT	17.3	10.5	2.6	6.8	12.9	10.9
- ACADEMIC SUPPORT	4.8	9.6	7.8	6.4	9.8	7.9
SCHOLARSHIP	5.3	5.4	4.3	7.9	8.7	5.1
RESEARCH	0.0	0.0	0.0	0.0	0.0	0.0
PUBLIC SERVICE	8.0	8.1	10.1	8.8	3.2	2.6
PLANT OP/MAINT/MAND ED TRAN	14.4	15.7	13.2	10.2	13.6	8.0
TOTAL E&G EXP LESS RESEARCH	100.0	100.0	100.0	100.0	100.0	100.0

	ALABAMA (BIRMINGHAM)	KENTUCKY	MISSOURI (COLUMBIA)	NORTH DAKOTA	UTAH	VA COMMONWEALTH
ACADEMIC - TOTAL	54.4	44.7	51.1	53.5	48.6	60.3
- INSTRUCTION	51.9	41.3	46.3	50.4	43.6	56.8
- LIBRARIES	2.5	3.4	4.8	3.1	5.1	3.6
ADMINISTRATIVE - TOTAL	20.6	20.2	20.4	21.7	17.3	22.9
- STUDENT SERVICES	2.7	4.2	4.7	4.3	3.7	2.8
- INSTITUTIONAL SUPPORT	10.2	8.0	7.3	10.0	8.5	12.6
- ACADEMIC SUPPORT	7.6	8.0	8.4	7.3	5.1	7.5
SCHOLARSHIP	4.1	4.7	5.7	12.0	5.0	4.9
RESEARCH	0.0	0.0	0.0	0.0	0.0	0.0
PUBLIC SERVICE	9.2	18.1	14.9	2.1	19.4	0.9
PLANT OP/MAINT/MAND ED TRAN	11.7	12.3	8.0	10.8	9.7	10.9
TOTAL E&G EXP LESS RESEARCH	100.0	100.0	100.0	100.0	100.0	100.0

TABLE A13.3: 1985-86 EXPENDITURES OF HOWARD UNIVERSITY AND PUBLIC INSTITUTIONS WITH HOSPITALS, RANKED

DOLLARS PER FTE

TOTAL ACADEMIC		INSTRUCTION		LIBRARIES	
HOWARD	$9,579	ALABAMA (BIRMINGHAM)	$9,011	CALIFORNIA (IRVINE)	$839
ALABAMA (BIRMINGHAM)	9,451	HOWARD	8,798	HOWARD	781
CALIFORNIA (IRVINE)	9,439	CALIFORNIA (IRVINE)	8,601	UTAH	598
ILLINOIS (CHICAGO)	7,846	ILLINOIS (CHICAGO)	7,352	ILLINOIS (CHICAGO)	494
IU/PURDUE (INDIANAPOLIS)	6,699	IU/PURDUE (INDIANAPOLIS)	6,469	MISSOURI (COLUMBIA)	489
VA COMMONWEALTH	6,606	VA COMMONWEALTH	6,216	ALABAMA (BIRMINGHAM)	440
KENTUCKY	5,809	KENTUCKY	5,371	KENTUCKY	438
UTAH	5,736	UTAH	5,139	CINCINNATI	435
CINCINNATI	5,545	CINCINNATI	5,110	VA COMMONWEALTH	390
MISSOURI (COLUMBIA)	5,181	TEMPLE	4,693	TEMPLE	322
TEMPLE	5,014	MISSOURI (COLUMBIA)	4,692	N DAKOTA (GRAND FORKS)	283
N DAKOTA (GRAND FORKS)	4,860	N DAKOTA (GRAND FORKS)	4,577	IU/PURDUE (INDIANAPOLIS)	230

BUDGET SHARE--RESEARCH INCLUDED

TOTAL ACADEMIC		INSTRUCTION		LIBRARIES	
IU/PURDUE (INDIANAPOLIS)	51.8	IU/PURDUE (INDIANAPOLIS)	50.1	HOWARD	3.4
VA COMMONWEALTH	50.7	VA COMMONWEALTH	47.7	ILLINOIS (CHICAGO)	2.7
CINCINNATI	49.4	CINCINNATI	45.5	IU/PURDUE (INDIANAPOLIS)	1.8
CALIFORNIA (IRVINE)	47.7	CALIFORNIA (IRVINE)	43.5	CINCINNATI	3.9
N DAKOTA (GRAND FORKS)	45.4	N DAKOTA (GRAND FORKS)	42.8	TEMPLE	2.8
TEMPLE	44.2	TEMPLE	41.4	CALIFORNIA (IRVINE)	4.2
ILLINOIS (CHICAGO)	43.4	ILLINOIS (CHICAGO)	40.7	ALABAMA (BIRMINGHAM)	2.0
ALABAMA (BIRMINGHAM)	42.5	ALABAMA (BIRMINGHAM)	40.5	KENTUCKY	2.8
HOWARD	41.9	HOWARD	38.5	MISSOURI (COLUMBIA)	3.9
MISSOURI (COLUMBIA)	41.4	MISSOURI (COLUMBIA)	37.5	N DAKOTA (GRAND FORKS)	2.6
UTAH	39.8	UTAH	35.6	UTAH	4.1
KENTUCKY	36.9	KENTUCKY	34.1	VA COMMONWEALTH	3.0

BUDGET SHARE--RESEARCH EXCLUDED

TOTAL ACADEMIC		INSTRUCTION		LIBRARIES	
VA COMMONWEALTH	60.3	VA COMMONWEALTH	56.8	CALIFORNIA (IRVINE)	5.1
IU/PURDUE (INDIANAPOLIS)	58.6	IU/PURDUE (INDIANAPOLIS)	56.6	UTAH	5.1
CALIFORNIA (IRVINE)	57.6	CALIFORNIA (IRVINE)	52.5	MISSOURI (COLUMBIA)	4.8
CINCINNATI	56.0	ALABAMA (BIRMINGHAM)	51.9	CINCINNATI	4.4
ALABAMA (BIRMINGHAM)	54.4	CINCINNATI	51.6	HOWARD	3.6
N DAKOTA (GRAND FORKS)	53.5	N DAKOTA (GRAND FORKS)	50.4	VA COMMONWEALTH	3.6
MISSOURI (COLUMBIA)	51.1	MISSOURI (COLUMBIA)	46.3	KENTUCKY	3.4
ILLINOIS (CHICAGO)	48.8	ILLINOIS (CHICAGO)	45.7	N DAKOTA (GRAND FORKS)	3.1
UTAH	48.6	TEMPLE	45.1	TEMPLE	3.1
TEMPLE	48.1	UTAH	43.6	ILLINOIS (CHICAGO)	3.1
KENTUCKY	44.7	KENTUCKY	41.3	ALABAMA (BIRMINGHAM)	2.5
HOWARD	44.5	HOWARD	40.9	IU/PURDUE (INDIANAPOLIS)	2.0

TABLE A13.3: 1985-86 EXPENDITURES OF HOWARD UNIVERSITY AND PUBLIC INSTITUTIONS WITH HOSPITALS, RANKED

DOLLARS PER FTE

TOTAL ADMINISTRATIVE		STUDENT SERVICES		INSTITUTIONAL SUPPORT	
HOWARD	$5,981	CALIFORNIA (IRVINE)	$1,297	HOWARD	$3,715
ILLINOIS (CHICAGO)	3,539	HOWARD	1,237	CALIFORNIA (IRVINE)	1,792
IU/PURDUE (INDIANAPOLIS)	1,574	KENTUCKY	543	ALABAMA (BIRMINGHAM)	1,780
CINCINNATI	1,692	ALABAMA (BIRMINGHAM)	476	ILLINOIS (CHICAGO)	1,683
TEMPLE	2,747	MISSOURI (COLUMBIA)	474	VA COMMONWEALTH	1,380
CALIFORNIA (IRVINE)	4,387	UTAH	440	TEMPLE	1,343
ALABAMA (BIRMINGHAM)	3,578	IU/PURDUE (INDIANAPOLIS)	393	KENTUCKY	1,045
KENTUCKY	2,622	N DAKOTA (GRAND FORKS)	390	UTAH	997
MISSOURI (COLUMBIA)	2,069	CINCINNATI	390	N DAKOTA (GRAND FORKS)	912
N DAKOTA (GRAND FORKS)	1,968	TEMPLE	385	MISSOURI (COLUMBIA)	740
UTAH	2,035	ILLINOIS (CHICAGO)	312	CINCINNATI	669
VA COMMONWEALTH	2,509	VA COMMONWEALTH	309	IU/PURDUE (INDIANAPOLIS)	294

BUDGET SHARE--RESEARCH INCLUDED

TOTAL ADMINISTRATIVE		STUDENT SERVICES		INSTITUTIONAL SUPPORT	
HOWARD	26.2	CALIFORNIA (IRVINE)	6.6	HOWARD	16.3
TEMPLE	24.2	HOWARD	5.4	TEMPLE	11.8
CALIFORNIA (IRVINE)	22.2	MISSOURI (COLUMBIA)	3.8	VA COMMONWEALTH	10.6
ILLINOIS (CHICAGO)	19.6	N DAKOTA (GRAND FORKS)	3.6	ILLINOIS (CHICAGO)	9.3
VA COMMONWEALTH	19.3	CINCINNATI	3.5	CALIFORNIA (IRVINE)	9.1
N DAKOTA (GRAND FORKS)	18.4	KENTUCKY	3.4	N DAKOTA (GRAND FORKS)	8.5
KENTUCKY	16.6	TEMPLE	3.4	ALABAMA (BIRMINGHAM)	8.0
MISSOURI (COLUMBIA)	16.5	UTAH	3.1	UTAH	6.9
ALABAMA (BIRMINGHAM)	16.1	IU/PURDUE (INDIANAPOLIS)	3.0	KENTUCKY	6.6
CINCINNATI	15.1	VA COMMONWEALTH	2.4	CINCINNATI	6.0
UTAH	14.1	ALABAMA (BIRMINGHAM)	2.1	MISSOURI (COLUMBIA)	5.9
IU/PURDUE (INDIANAPOLIS)	12.2	ILLINOIS (CHICAGO)	1.7	IU/PURDUE (INDIANAPOLIS)	2.3

BUDGET SHARE--RESEARCH EXCLUDED

TOTAL ADMINISTRATIVE		STUDENT SERVICES		INSTITUTIONAL SUPPORT	
HOWARD	27.8	CALIFORNIA (IRVINE)	7.9	HOWARD	17.3
CALIFORNIA (IRVINE)	26.8	HOWARD	5.8	TEMPLE	12.9
TEMPLE	26.4	MISSOURI (COLUMBIA)	4.7	VA COMMONWEALTH	12.6
VA COMMONWEALTH	22.9	N DAKOTA (GRAND FORKS)	4.3	CALIFORNIA (IRVINE)	10.9
ILLINOIS (CHICAGO)	22.0	KENTUCKY	4.2	ILLINOIS (CHICAGO)	10.5
N DAKOTA (GRAND FORKS)	21.7	CINCINNATI	3.9	ALABAMA (BIRMINGHAM)	10.2
ALABAMA (BIRMINGHAM)	20.6	UTAH	3.7	N DAKOTA (GRAND FORKS)	10.0
MISSOURI (COLUMBIA)	20.4	TEMPLE	3.7	UTAH	8.5
KENTUCKY	20.2	IU/PURDUE (INDIANAPOLIS)	3.4	KENTUCKY	8.0
UTAH	17.3	VA COMMONWEALTH	2.8	MISSOURI (COLUMBIA)	7.3
CINCINNATI	17.1	ALABAMA (BIRMINGHAM)	2.7	CINCINNATI	6.8
IU/PURDUE (INDIANAPOLIS)	13.8	ILLINOIS (CHICAGO)	1.9	IU/PURDUE (INDIANAPOLIS)	2.6

TABLE A13.3: 1985-86 EXPENDITURES OF HOWARD UNIVERSITY AND PUBLIC INSTITUTIONS WITH HOSPITALS, RANKED

DOLLARS PER FTE

ACADEMIC SUPPORT		SCHOLARSHIP		RESEARCH	
ILLINOIS (CHICAGO)	$1,544	HOWARD	$1,135	ALABAMA (BIRMINGHAM)	$4,852
ALABAMA (BIRMINGHAM)	1,322	N DAKOTA (GRAND FORKS)	1,095	CALIFORNIA (IRVINE)	3,413
CALIFORNIA (IRVINE)	1,297	TEMPLE	901	KENTUCKY	2,756
KENTUCKY	1,034	ILLINOIS (CHICAGO)	871	UTAH	2,620
HOWARD	1,029	CALIFORNIA (IRVINE)	829	MISSOURI (COLUMBIA)	2,382
TEMPLE	1,019	CINCINNATI	778	VA COMMONWEALTH	2,071
IU/PURDUE (INDIANAPOLIS)	887	ALABAMA (BIRMINGHAM)	710	ILLINOIS (CHICAGO)	1,997
MISSOURI (COLUMBIA)	855	KENTUCKY	612	N DAKOTA (GRAND FORKS)	1,617
VA COMMONWEALTH	820	UTAH	590	IU/PURDUE (INDIANAPOLIS)	1,496
N DAKOTA (GRAND FORKS)	665	MISSOURI (COLUMBIA)	576	CINCINNATI	1,337
CINCINNATI	634	VA COMMONWEALTH	537	HOWARD	1,332
UTAH	598	IU/PURDUE (INDIANAPOLIS)	488	TEMPLE	922

BUDGET SHARE--RESEARCH INCLUDED

ACADEMIC SUPPORT		SCHOLARSHIP		RESEARCH	
TEMPLE	9.0	N DAKOTA (GRAND FORKS)	10.2	ALABAMA (BIRMINGHAM)	21.8
ILLINOIS (CHICAGO)	8.5	TEMPLE	7.9	MISSOURI (COLUMBIA)	19.0
IU/PURDUE (INDIANAPOLIS)	6.9	CINCINNATI	6.9	UTAH	18.2
MISSOURI (COLUMBIA)	6.8	HOWARD	5.0	KENTUCKY	17.5
KENTUCKY	6.6	ILLINOIS (CHICAGO)	4.8	CALIFORNIA (IRVINE)	17.2
CALIFORNIA (IRVINE)	6.6	MISSOURI (COLUMBIA)	4.6	VA COMMONWEALTH	15.9
VA COMMONWEALTH	6.3	CALIFORNIA (IRVINE)	4.2	N DAKOTA (GRAND FORKS)	15.1
N DAKOTA (GRAND FORKS)	6.2	VA COMMONWEALTH	4.1	CINCINNATI	11.9
ALABAMA (BIRMINGHAM)	5.9	UTAH	4.1	IU/PURDUE (INDIANAPOLIS)	11.6
CINCINNATI	5.6	KENTUCKY	3.9	ILLINOIS (CHICAGO)	11.0
HOWARD	4.5	IU/PURDUE (INDIANAPOLIS)	3.8	TEMPLE	8.1
UTAH	4.1	ALABAMA (BIRMINGHAM)	3.2	HOWARD	5.8

BUDGET SHARE--RESEARCH EXCLUDED

ACADEMIC SUPPORT		SCHOLARSHIP		RESEARCH	
HOWARD	4.8	N DAKOTA (GRAND FORKS)	12.0	MISSOURI (COLUMBIA)	N/A
ILLINOIS (CHICAGO)	9.6	TEMPLE	8.7	KENTUCKY	N/A
IU/PURDUE (INDIANAPOLIS)	7.8	CINCINNATI	7.9	ALABAMA (BIRMINGHAM)	N/A
CINCINNATI	6.4	MISSOURI (COLUMBIA)	5.7	VA COMMONWEALTH	N/A
TEMPLE	9.8	ILLINOIS (CHICAGO)	5.4	UTAH	N/A
CALIFORNIA (IRVINE)	7.9	HOWARD	5.3	N DAKOTA (GRAND FORKS)	N/A
ALABAMA (BIRMINGHAM)	7.6	CALIFORNIA (IRVINE)	5.1	IU/PURDUE (INDIANAPOLIS)	N/A
KENTUCKY	8.0	UTAH	5.0	ILLINOIS (CHICAGO)	N/A
MISSOURI (COLUMBIA)	8.4	VA COMMONWEALTH	4.9	HOWARD	N/A
N DAKOTA (GRAND FORKS)	7.3	KENTUCKY	4.7	CALIFORNIA (IRVINE)	N/A
UTAH	5.1	IU/PURDUE (INDIANAPOLIS)	4.3	TEMPLE	N/A
VA COMMONWEALTH	7.5	ALABAMA (BIRMINGHAM)	4.1	CINCINNATI	N/A

TABLE A13.3: 1985-86 EXPENDITURES OF HOWARD UNIVERSITY AND PUBLIC INSTITUTIONS WITH HOSPITALS, RANKED

DOLLARS PER FTE

PUBLIC SERVICE		PLANT OP,MAINT/ MAND ED TRANS		TOTAL E & G EXPENDITURES	
KENTUCKY	$2,353	HOWARD	$3,092	HOWARD	$22,843
UTAH	2,294	ILLINOIS (CHICAGO)	2,526	ILLINOIS (CHICAGO)	18,076
HOWARD	1,725	ALABAMA (BIRMINGHAM)	2,035	IU/PURDUE (INDIANAPOLIS)	12,921
ALABAMA (BIRMINGHAM)	1,598	KENTUCKY	1,604	CINCINNATI	11,233
MISSOURI (COLUMBIA)	1,507	IU/PURDUE (INDIANAPOLIS)	1,510	TEMPLE	11,337
ILLINOIS (CHICAGO)	1,296	TEMPLE	1,416	CALIFORNIA (IRVINE)	19,793
IU/PURDUE (INDIANAPOLIS)	1,154	CALIFORNIA (IRVINE)	1,304	ALABAMA (BIRMINGHAM)	22,224
CINCINNATI	866	VA COMMONWEALTH	1,197	KENTUCKY	15,757
CALIFORNIA (IRVINE)	420	UTAH	1,142	MISSOURI (COLUMBIA)	12,523
TEMPLE	336	CINCINNATI	1,014	N DAKOTA (GRAND FORKS)	10,706
N DAKOTA (GRAND FORKS)	189	N DAKOTA (GRAND FORKS)	978	UTAH	14,416
VA COMMONWEALTH	102	MISSOURI (COLUMBIA)	808	VA COMMONWEALTH	13,022

BUDGET SHARE--RESEARCH INCLUDED

PUBLIC SERVICE		PLANT OP,MAINT/ MAND ED TRANS	
UTAH	15.9	ILLINOIS (CHICAGO)	14.0
KENTUCKY	14.9	HOWARD	13.5
MISSOURI (COLUMBIA)	12.0	TEMPLE	12.5
IU/PURDUE (INDIANAPOLIS)	8.9	IU/PURDUE (INDIANAPOLIS)	11.7
CINCINNATI	7.7	KENTUCKY	10.2
HOWARD	7.6	VA COMMONWEALTH	9.2
ALABAMA (BIRMINGHAM)	7.2	ALABAMA (BIRMINGHAM)	9.2
ILLINOIS (CHICAGO)	7.2	N DAKOTA (GRAND FORKS)	9.1
TEMPLE	3.0	CINCINNATI	9.0
CALIFORNIA (IRVINE)	2.1	UTAH	7.9
N DAKOTA (GRAND FORKS)	1.8	CALIFORNIA (IRVINE)	6.6
VA COMMONWEALTH	0.8	MISSOURI (COLUMBIA)	6.5

TABLE A13.3: 1985-86 EXPENDITURES OF HOWARD UNIVERSITY AND PUBLIC INSTITUTIONS WITH HOSPITALS, RANKED

DOLLARS PER FTE

	TOTAL E & G EXP LESS RESEARCH
HOWARD	$21,511
ALABAMA (BIRMINGHAM)	17,372
CALIFORNIA (IRVINE)	16,379
ILLINOIS (CHICAGO)	16,078
KENTUCKY	13,000
UTAH	11,797
IU/PURDUE (INDIANAPOLIS)	11,424
VA COMMONWEALTH	10,951
TEMPLE	10,414
MISSOURI (COLUMBIA)	10,141
CINCINNATI	9,896
N DAKOTA (GRAND FORKS)	9,090

TABLE A14.1
HOWARD UNIVERSITY AND COMPETITOR INSTITUTIONS
GENERAL EDUCATION REVENUE PER FTE
ACADEMIC YEAR 1985-86
BUDGET SHARE

	HOWARD	HAMPTON	MARYLAND (CP)	FLORIDA A&M	MOREHOUSE	SPELM
TUITION & FEES	17.1	34.4	22.1	13.4	65.4	57.
FEDERAL APPROPRIATIONS	65.3	0.0	0.0	0.1	0.0	0.
STATE & LOCAL APPROPRIATIONS	0.0	0.0	50.1	64.3	0.0	0.
FEDERAL GRANTS & CONTRACTS	8.9	21.6	20.0	16.1	15.6	13.
STATE, LOC GRANTS & CONTRACTS	0.1	0.0	2.6	4.6	0.0	1.
PRIVATE GRANTS & CONTRACTS	3.4	6.7	2.8	1.6	12.6	16.
ENDOWMENT INCOME	1.0	14.3	0.2	0.0	6.5	11.
SALES & SERVICES	4.2	3.0	2.2	0.0	0.0	0.
GENERAL EDUCATION REVENUE	100.0	100.0	100.0	100.0	100.0	100.

	VIRGINIA	MORGAN STATE	NORTH CAROLINA A&T	MICHIGAN (AA)	RUTGERS	TEMP
TUITION & FEES	20.7	17.8	16.6	25.6	23.7	39.
FEDERAL APPROPRIATIONS	0.0	0.5	0.0	0.1	1.0	0.
STATE & LOCAL APPROPRIATIONS	47.2	72.7	58.9	34.5	59.4	40.
FEDERAL GRANTS & CONTRACTS	18.3	8.4	21.1	23.0	7.9	9.
STATE, LOC GRANTS & CONTRACTS	1.1	0.1	0.7	0.4	2.9	3.
PRIVATE GRANTS & CONTRACTS	7.4	0.5	0.5	9.1	3.4	4.
ENDOWMENT INCOME	4.2	0.0	0.1	2.3	1.6	0.
SALES & SERVICES	1.2	0.0	2.1	5.0	0.0	0
GENERAL EDUCATION REVENUE	100.0	100.0	100.0	100.0	100.0	100.

TABLE A14.1
HOWARD UNIVERSITY AND COMPETITOR INSTITUTIONS
GENERAL EDUCATION REVENUE PER FTE
ACADEMIC YEAR 1985-86
BUDGET SHARE

	XAVIER	CLARK	MICHIGAN STATE	MARYLAND (BC)
TUITION & FEES	56.7	57.5	21.3	26.7
FEDERAL APPROPRIATIONS	2.7	0.0	0.0	0.0
STATE & LOCAL APPROPRIATIONS	0.0	0.0	47.9	61.4
FEDERAL GRANTS & CONTRACTS	22.9	19.3	17.6	7.4
STATE, LOC GRANTS & CONTRACTS	1.6	0.0	1.3	2.1
PRIVATE GRANTS & CONTRACTS	14.6	21.3	5.4	1.6
ENDOWMENT INCOME	1.5	1.9	0.5	0.0
SALES & SERVICES	0.0	0.0	6.1	0.8
GENERAL EDUCATION REVENUE	100.0	100.0	100.0	100.0

TABLE A14.2: 1985-86 REVENUES OF HOWARD UNIVERSITY AND COMPETITOR INSTITUTIONS, RANKED

DOLLARS PER FTE

TUITION & FEES		FEDERAL APPROPRIATIONS		STATE & LOCAL APPROPRIATIONS	
MICHIGAN (AA)	$4,785	HOWARD	$15,230	VIRGINIA	$7,707
XAVIER	4,609	XAVIER	220	FLORIDA A & M	7,336
TEMPLE	4,448	RUTGERS	101	MORGAN STATE	7,009
SPELMAN	4,073	MORGAN STATE	49	MICHIGAN (AA)	6,443
HOWARD	3,999	MICHIGAN (AA)	12	RUTGERS	5,971
HAMPTON	3,988	FLORIDA A & M	6	MICHIGAN STATE	5,537
MOREHOUSE	3,903	NC A & T	3	MARYLAND (CP)	5,213
CLARK	3,800	MICHIGAN STATE	1	NC A & T	5,000
VIRGINIA	3,378	HAMPTON	0	TEMPLE	4,554
MICHIGAN STATE	2,468	CLARK	0	MARYLAND (BCo)	4,204
RUTGERS	2,387	MARYLAND (BCo)	0	CLARK	0
MARYLAND (CP)	2,302	TEMPLE	0	MOREHOUSE	0
MARYLAND (BCo)	1,829	VIRGINIA	0	XAVIER	0
MORGAN STATE	1,717	SPELMAN	0	HAMPTON	0
FLORIDA A & M	1,534	MARYLAND (CP)	0	SPELMAN	0
NC A & T	1,409	MOREHOUSE	0	HOWARD	0

BUDGET SHARE

TUITION & FEES		FEDERAL APPROPRIATIONS		STATE & LOCAL APPROPRIATIONS	
MOREHOUSE	65.4	HOWARD	65.3	MORGAN STATE	72.7
CLARK	57.5	XAVIER	2.7	FLORIDA A & M	64.3
SPELMAN	57.2	RUTGERS	1.0	MARYLAND (BCo)	61.4
XAVIER	56.7	MORGAN STATE	0.5	RUTGERS	59.4
HAMPTON	54.4	MICHIGAN (AA)	0.1	NC A & T	58.9
TEMPLE	39.7	FLORIDA A & M	0.1	MARYLAND (CP)	50.1
MARYLAND (BCo)	26.7	NC A & T	0.0	MICHIGAN STATE	47.9
MICHIGAN (AA)	25.6	MICHIGAN STATE	0.0	VIRGINIA	47.2
RUTGERS	23.7	HAMPTON	0.0	TEMPLE	40.7
MARYLAND (CP)	22.1	CLARK	0.0	MICHIGAN (AA)	34.5
MICHIGAN STATE	21.3	MARYLAND (BCo)	0.0	HAMPTON	0.0
VIRGINIA	20.7	TEMPLE	0.0	CLARK	0.0
MORGAN STATE	17.8	VIRGINIA	0.0	XAVIER	0.0
HOWARD	17.1	SPELMAN	0.0	HOWARD	0.0
NC A & T	16.6	MARYLAND (CP)	0.0	MOREHOUSE	0.0
FLORIDA A & M	13.4	MOREHOUSE	0.0	SPELMAN	0.0

TABLE A14.2: 1985-86 REVENUES OF HOWARD UNIVERSITY AND COMPETITOR INSTITUTIONS, RANKED

DOLLARS PER FTE

FEDERAL GRANTS & CONTRACTS		STATE & LOCAL GRANTS & CONTRACTS		PRIVATE GRANTS & CONTRACTS	
MICHIGAN (AA)	$4,292	FLORIDA A & M	$520	MICHIGAN (AA)	$1,692
VIRGINIA	2,984	TEMPLE	392	CLARK	1,409
MARYLAND (CP)	2,085	RUTGERS	292	VIRGINIA	1,200
HOWARD	2,066	MARYLAND (CP)	268	XAVIER	1,184
MICHIGAN STATE	2,033	VIRGINIA	172	SPELMAN	1,181
XAVIER	1,862	MICHIGAN STATE	150	HOWARD	798
FLORIDA A & M	1,838	MARYLAND (BCo)	145	MOREHOUSE	750
NC A & T	1,789	XAVIER	128	MICHIGAN STATE	621
HAMPTON	1,582	SPELMAN	104	TEMPLE	536
CLARK	1,275	MICHIGAN (AA)	77	HAMPTON	488
TEMPLE	1,105	NC A & T	63	RUTGERS	345
MOREHOUSE	929	HOWARD	23	MARYLAND (CP)	289
SPELMAN	926	MORGAN STATE	6	FLORIDA A & M	182
MORGAN STATE	815	HAMPTON	0	MARYLAND (BCo)	108
RUTGERS	797	MOREHOUSE	0	MORGAN STATE	52
MARYLAND (BCo)	505	CLARK	0	NC A & T	39

BUDGET SHARE

FEDERAL GRANTS & CONTRACTS		STATE & LOCAL GRANTS & CONTRACTS		PRIVATE GRANTS & CONTRACTS	
MICHIGAN (AA)	23.0	FLORIDA A & M	4.6	CLARK	21.3
XAVIER	22.9	TEMPLE	3.5	SPELMAN	16.6
HAMPTON	21.6	RUTGERS	2.9	XAVIER	14.6
NC A & T	21.1	MARYLAND (CP)	2.6	MOREHOUSE	12.6
MARYLAND (CP)	20.0	MARYLAND (BCo)	2.1	MICHIGAN (AA)	9.1
CLARK	19.3	XAVIER	1.6	VIRGINIA	7.4
VIRGINIA	18.3	SPELMAN	1.5	HAMPTON	6.7
MICHIGAN STATE	17.6	MICHIGAN STATE	1.3	MICHIGAN STATE	5.4
FLORIDA A & M	16.1	VIRGINIA	1.1	TEMPLE	4.8
MOREHOUSE	15.6	NC A & T	0.7	RUTGERS	3.4
SPELMAN	13.0	MICHIGAN (AA)	0.4	HOWARD	3.4
TEMPLE	9.9	HOWARD	0.1	MARYLAND (CP)	2.8
HOWARD	8.9	MORGAN STATE	0.1	FLORIDA A & M	1.6
MORGAN STATE	8.4	HAMPTON	0.0	MARYLAND (BCo)	1.6
RUTGERS	7.9	MOREHOUSE	0.0	MORGAN STATE	0.5
MARYLAND (BCo)	7.4	CLARK	0.0	NC A & T	0.5

TABLE A14.2: 1985-86 REVENUES OF HOWARD UNIVERSITY AND COMPETITOR INSTITUTIONS, RANKED

DOLLARS PER FTE

ENDOWMENT INCOME		SALES & SERVICES		GENERAL EDUCATION REVENUE	
HAMPTON	$1,050	HOWARD	$983	HOWARD	$23,325
SPELMAN	838	MICHIGAN (AA)	933	MICHIGAN (AA)	18,659
VIRGINIA	685	MICHIGAN STATE	700	VIRGINIA	16,321
MICHIGAN (AA)	426	MARYLAND (CP)	231	MICHIGAN STATE	11,567
MOREHOUSE	388	HAMPTON	219	FLORIDA A & M	11,415
HOWARD	225	VIRGINIA	194	TEMPLE	11,192
RUTGERS	159	NC A & T	174	MARYLAND (CP)	10,410
CLARK	124	TEMPLE	105	RUTGERS	10,051
XAVIER	122	MARYLAND (BCo)	58	MORGAN STATE	9,647
MICHIGAN STATE	56	CLARK	0	NC A & T	8,482
TEMPLE	52	XAVIER	0	XAVIER	8,126
MARYLAND (CP)	21	MOREHOUSE	0	HAMPTON	7,327
NC A & T	6	FLORIDA A & M	0	SPELMAN	7,122
MARYLAND (BCo)	0	SPELMAN	0	MARYLAND (BCo)	6,848
FLORIDA A & M	0	RUTGERS	0	CLARK	6,608
MORGAN STATE	0	MORGAN STATE	0	MOREHOUSE	5,971

BUDGET SHARE

ENDOWMENT INCOME		SALES & SERVICES	
HAMPTON	14.3	MICHIGAN STATE	6.1
SPELMAN	11.8	MICHIGAN (AA)	5.0
MOREHOUSE	6.5	HOWARD	4.2
VIRGINIA	4.2	HAMPTON	3.0
MICHIGAN (AA)	2.3	MARYLAND (CP)	2.2
CLARK	1.9	NC A & T	2.1
RUTGERS	1.6	VIRGINIA	1.2
XAVIER	1.5	TEMPLE	0.9
HOWARD	1.0	MARYLAND (BCo)	0.8
MICHIGAN STATE	0.5	CLARK	0.0
TEMPLE	0.5	XAVIER	0.0
MARYLAND (CP)	0.2	MOREHOUSE	0.0
NC A & T	0.1	FLORIDA A & M	0.0
MARYLAND (BCo)	0.0	SPELMAN	0.0
FLORIDA A & M	0.0	RUTGERS	0.0
MORGAN STATE	0.0	MORGAN STATE	0.0

TABLE A15.1
HOWARD UNIVERSITY AND COMPETITOR INSTITUTIONS
EDUCATIONAL AND GENERAL EXPENDITURES PER FTE
ACADEMIC YEAR 1985-86
BUDGET SHARE (INCLUDING RESEARCH)

	HOWARD	HAMPTON	MARYLAND (CP)	FLORIDA A&M	MOREHOUSE	SPELMAN
ACADEMIC - TOTAL	41.9	34.6	39.5	38.1	30.6	33.1
- INSTRUCTION	38.5	31.2	36.2	34.4	28.5	31.5
- LIBRARIES	3.4	3.4	3.3	3.6	2.2	1.6
ADMINISTRATIVE - TOTAL	26.2	24.2	15.1	25.9	33.4	36.7
- STUDENT SERVICES	5.4	7.9	4.1	5.1	8.2	10.7
- INSTITUTIONAL SUPPORT	16.3	13.9	7.3	10.5	24.6	22.9
- ACADEMIC SUPPORT	4.5	2.4	3.7	10.3	0.6	3.1
SCHOLARSHIP	5.0	11.5	4.8	11.0	19.5	17.2
RESEARCH	5.8	8.8	22.4	8.2	3.8	3.3
PUBLIC SERVICE	7.6	3.7	7.1	3.7	0.0	1.2
PLANT OP/MAINT/MAND ED TRAN	13.5	17.2	11.0	13.1	12.8	8.6
TOTAL E&G EXPENDITURES	100.0	100.0	100.0	100.0	100.0	100.0

	VIRGINIA	MORGAN STATE	NORTH CAROLINA A&T	MICHIGAN (AA)	RUTGERS	TEMPLE
ACADEMIC - TOTAL	45.4	43.7	41.2	38.0	45.1	44.2
- INSTRUCTION	39.9	40.0	38.0	35.3	40.5	41.4
- LIBRARIES	5.5	3.7	3.2	2.7	4.6	2.8
ADMINISTRATIVE - TOTAL	17.9	25.0	21.0	16.3	18.7	24.2
- STUDENT SERVICES	4.1	6.6	3.5	4.1	5.4	3.4
- INSTITUTIONAL SUPPORT	6.4	15.8	8.8	5.6	9.2	11.8
- ACADEMIC SUPPORT	7.4	2.6	8.7	6.6	4.1	9.0
SCHOLARSHIP	8.2	11.6	10.1	7.3	4.4	7.9
RESEARCH	19.2	6.6	10.2	24.7	13.8	8.1
PUBLIC SERVICE	1.7	0.0	5.4	1.4	4.8	3.0
PLANT OP/MAINT/MAND ED TRAN	7.6	13.1	12.0	12.3	13.2	12.5
TOTAL E&G EXPENDITURES	100.0	100.0	100.0	100.0	100.0	100.0

TABLE A15.1
HOWARD UNIVERSITY AND COMPETITOR INSTITUTIONS
EDUCATIONAL AND GENERAL EXPENDITURES PER FTE
ACADEMIC YEAR 1985-86
BUDGET SHARE (INCLUDING RESEARCH)

	XAVIER	CLARK	MICHIGAN STATE	MARYLAND (BC)
ACADEMIC - TOTAL	35.0	31.7	42.7	51.8
- INSTRUCTION	32.8	29.1	40.7	46.2
- LIBRARIES	2.2	2.6	2.0	5.6
ADMINISTRATIVE - TOTAL	29.9	33.8	12.4	18.8
- STUDENT SERVICES	9.2	6.8	2.9	6.8
- INSTITUTIONAL SUPPORT	17.3	24.2	6.1	12.0
- ACADEMIC SUPPORT	3.5	2.8	3.3	0.0
SCHOLARSHIP	20.3	19.8	5.2	9.0
RESEARCH	4.1	0.0	19.7	6.3
PUBLIC SERVICE	0.5	5.0	12.3	0.1
PLANT OP/MAINT/MAND ED TRAN	10.2	9.7	7.6	14.1
TOTAL E&G EXPENDITURES	100.0	100.0	100.0	100.0

TABLE A15.2
HOWARD UNIVERSITY AND COMPETITOR INSTITUTIONS
EDUCATIONAL AND GENERAL EXPENDITURES PER FTE
ACADEMIC YEAR 1985-86
BUDGET SHARE (EXCLUDING RESEARCH)

	HOWARD	HAMPTON	MARYLAND (CP)	FLORIDA A&M	MOREHOUSE	SPELMAN
ACADEMIC - TOTAL	44.5	37.9	50.9	41.5	31.8	34.2
- INSTRUCTION	40.9	34.2	46.6	37.5	29.6	32.6
- LIBRARIES	3.6	3.7	4.2	4.0	2.2	1.6
ADMINISTRATIVE - TOTAL	27.8	26.5	19.5	28.2	34.7	38.0
- STUDENT SERVICES	5.8	8.6	5.3	5.5	8.5	11.0
- INSTITUTIONAL SUPPORT	17.3	15.2	9.4	11.4	25.6	23.7
- ACADEMIC SUPPORT	4.8	2.7	4.7	11.3	0.6	3.2
SCHOLARSHIP	5.3	12.6	6.2	12.0	20.2	17.8
RESEARCH	0.0	0.0	0.0	0.0	0.0	0.0
PUBLIC SERVICE	8.0	4.0	9.2	4.0	0.0	1.2
PLANT OP/MAINT/MAND ED TRAN	14.4	18.9	14.2	14.3	13.3	8.9
TOTAL E&G EXP LESS RESEARCH	100.0	100.0	100.0	100.0	100.0	100.0

	VIRGINIA	MORGAN STATE	NORTH CAROLINA A&T	MICHIGAN (AA)	RUTGERS	TEMPLE
ACADEMIC - TOTAL	56.2	46.8	45.9	50.4	52.4	48.1
- INSTRUCTION	49.4	42.9	42.3	46.9	47.0	45.1
- LIBRARIES	6.9	4.0	3.6	3.5	5.4	3.1
ADMINISTRATIVE - TOTAL	22.1	26.7	23.4	21.7	21.7	26.4
- STUDENT SERVICES	5.1	7.0	3.9	5.4	6.2	3.7
- INSTITUTIONAL SUPPORT	7.9	17.0	9.8	7.5	10.7	12.9
- ACADEMIC SUPPORT	9.2	2.7	9.7	8.8	4.8	9.8
SCHOLARSHIP	10.1	12.5	11.2	9.7	5.1	8.7
RESEARCH	0.0	0.0	0.0	0.0	0.0	0.0
PUBLIC SERVICE	2.1	0.0	6.0	1.9	5.6	3.2
PLANT OP/MAINT/MAND ED TRAN	9.5	14.0	13.4	16.3	15.3	13.6
TOTAL E&G EXP LESS RESEARCH	100.0	100.0	100.0	100.0	100.0	100.0

TABLE A15.2
HOWARD UNIVERSITY AND COMPETITOR INSTITUTIONS
EDUCATIONAL AND GENERAL EXPENDITURES PER FTE
ACADEMIC YEAR 1985-86
BUDGET SHARE (EXCLUDING RESEARCH)

	XAVIER	CLARK	MICHIGAN STATE	MARYLAND (BC)
ACADEMIC - TOTAL	36.5	31.7	53.2	55.3
- INSTRUCTION	34.2	29.1	50.7	49.3
- LIBRARIES	2.3	2.6	2.5	6.0
ADMINISTRATIVE - TOTAL	31.2	33.8	15.4	20.0
- STUDENT SERVICES	9.6	6.8	3.7	7.2
- INSTITUTIONAL SUPPORT	18.0	24.2	7.6	12.8
- ACADEMIC SUPPORT	3.6	2.8	4.2	0.0
SCHOLARSHIP	21.1	19.8	6.5	9.6
RESEARCH	0.0	0.0	0.0	0.0
PUBLIC SERVICE	0.5	5.0	15.4	0.1
PLANT OP/MAINT/MAND ED TRAN	10.7	9.7	9.5	15.1
TOTAL E&G EXP LESS RESEARCH	100.0	100.0	100.0	100.0

TABLE A15.3: 1985-86 EXPENDITURES OF HOWARD UNIVERSITY AND COMPETITOR INSTITUTIONS, RANKED

DOLLARS PER FTE

TOTAL ACADEMIC		INSTRUCTION		LIBRARIES	
HOWARD	$9,579	HOWARD	$8,798	VIRGINIA	$783
MICHIGAN (AA)	6,966	MICHIGAN (AA)	6,477	HOWARD	781
VIRGINIA	6,417	VIRGINIA	5,634	MICHIGAN (AA)	489
TEMPLE	5,014	TEMPLE	4,693	RUTGERS	453
MICHIGAN STATE	4,851	MICHIGAN STATE	4,623	FLORIDA A & M	437
FLORIDA A & M	4,576	FLORIDA A & M	4,139	MARYLAND (BCo)	378
RUTGERS	4,407	RUTGERS	3,954	MORGAN STATE	354
MORGAN STATE	4,192	MORGAN STATE	3,839	TEMPLE	322
NC A & T	3,813	NC A & T	3,513	MARYLAND (CP)	309
MARYLAND (CP)	3,710	MARYLAND (CP)	3,401	NC A & T	300
MARYLAND (BCo)	3,481	MARYLAND (BCo)	3,103	HAMPTON	268
XAVIER	3,245	XAVIER	3,039	MICHIGAN STATE	228
HAMPTON	2,746	SPELMAN	2,539	XAVIER	206
SPELMAN	2,667	HAMPTON	2,477	CLARK	204
CLARK	2,447	CLARK	2,243	MOREHOUSE	134
MOREHOUSE	1,898	MOREHOUSE	1,764	SPELMAN	128

TABLE A15.3: 1985-86 EXPENDITURES OF HOWARD UNIVERSITY AND COMPETITOR INSTITUTIONS, RANKED

BUDGET SHARE--RESEARCH INCLUDED

TOTAL ACADEMIC		INSTRUCTION		LIBRARIES	
MARYLAND (BCo)	51.8	MARYLAND (BCo)	46.2	MARYLAND (BCo)	5.6
VIRGINIA	45.4	TEMPLE	41.4	VIRGINIA	5.5
RUTGERS	45.1	MICHIGAN STATE	40.7	RUTGERS	4.6
TEMPLE	44.2	RUTGERS	40.5	MORGAN STATE	3.7
MORGAN STATE	43.7	MORGAN STATE	40.0	FLORIDA A & M	3.6
MICHIGAN STATE	42.7	VIRGINIA	39.9	HOWARD	3.4
HOWARD	41.9	HOWARD	38.5	HAMPTON	3.4
NC A & T	41.2	NC A & T	38.0	MARYLAND (CP)	3.3
MARYLAND (CP)	39.5	MARYLAND (CP)	36.2	NC A & T	3.2
FLORIDA A & M	38.1	MICHIGAN (AA)	35.3	TEMPLE	2.8
MICHIGAN (AA)	38.0	FLORIDA A & M	34.4	MICHIGAN (AA)	2.7
XAVIER	35.0	XAVIER	32.8	CLARK	2.6
HAMPTON	34.6	SPELMAN	31.5	XAVIER	2.2
SPELMAN	33.1	HAMPTON	31.2	MOREHOUSE	2.2
CLARK	31.7	CLARK	29.1	MICHIGAN STATE	2.0
MOREHOUSE	30.6	MOREHOUSE	28.5	SPELMAN	1.6

BUDGET SHARE--RESEARCH EXCLUDED

TOTAL ACADEMIC		INSTRUCTION		LIBRARIES	
VIRGINIA	56.2	MICHIGAN STATE	50.7	VIRGINIA	6.9
MARYLAND (BCo)	55.3	VIRGINIA	49.4	MARYLAND (BCo)	6.0
MICHIGAN STATE	53.2	MARYLAND (BCo)	49.3	RUTGERS	5.4
RUTGERS	52.4	RUTGERS	47.0	MARYLAND (CP)	4.2
MARYLAND (CP)	50.9	MICHIGAN (AA)	46.9	FLORIDA A & M	4.0
MICHIGAN (AA)	50.4	MARYLAND (CP)	46.6	MORGAN STATE	4.0
TEMPLE	48.1	TEMPLE	45.1	HAMPTON	3.7
MORGAN STATE	46.8	MORGAN STATE	42.9	HOWARD	3.6
NC A & T	45.9	NC A & T	42.3	NC A & T	3.6
HOWARD	44.5	HOWARD	40.9	MICHIGAN (AA)	3.5
FLORIDA A & M	41.5	FLORIDA A & M	37.5	TEMPLE	3.1
HAMPTON	37.9	HAMPTON	34.2	CLARK	2.6
XAVIER	36.5	XAVIER	34.2	MICHIGAN STATE	2.5
SPELMAN	34.2	SPELMAN	32.6	XAVIER	2.3
MOREHOUSE	31.8	MOREHOUSE	29.6	MOREHOUSE	2.2
CLARK	31.7	CLARK	29.1	SPELMAN	1.6

TABLE A15.3: 1985-86 EXPENDITURES OF HOWARD UNIVERSITY AND COMPETITOR INSTITUTIONS, RANKED

DOLLARS PER FTE

ADMINISTRATIVE		STUDENT SERVICES		INSTITUTIONAL SUPPORT		ACADEM SUPPO	
HOWARD	$5,981	HOWARD	$1,237	HOWARD	$3,715	FLORIDA A & M	$1,2
FLORIDA A & M	3,113	SPELMAN	859	CLARK	1,870	MICHIGAN (AA)	1,2
MICHIGAN (AA)	2,997	XAVIER	849	SPELMAN	1,849	VIRGINIA	1,0
SPELMAN	2,961	MICHIGAN (AA)	753	XAVIER	1,598	HOWARD	1,0
XAVIER	2,767	MORGAN STATE	630	MOREHOUSE	1,525	TEMPLE	1,0
TEMPLE	2,747	HAMPTON	623	MORGAN STATE	1,520	NC A & T	8
CLARK	2,607	FLORIDA A & M	610	TEMPLE	1,343	RUTGERS	4
VIRGINIA	2,527	VIRGINIA	577	FLORIDA A & M	1,260	MICHIGAN STATE	3
MORGAN STATE	2,396	RUTGERS	523	HAMPTON	1,103	MARYLAND (CP)	3
MOREHOUSE	2,069	CLARK	521	MICHIGAN (AA)	1,034	XAVIER	3
NC A & T	1,942	MOREHOUSE	508	VIRGINIA	905	SPELMAN	2
HAMPTON	1,920	MARYLAND (BCo)	455	RUTGERS	900	MORGAN STATE	2
RUTGERS	1,823	MARYLAND (CP)	387	NC A & T	811	CLARK	2
MARYLAND (CP)	1,421	TEMPLE	385	MARYLAND (BCo)	806	HAMPTON	1
MICHIGAN STATE	1,406	MICHIGAN STATE	335	MICHIGAN STATE	691	MOREHOUSE	
MARYLAND (BCo)	1,261	NC A & T	323	MARYLAND (CP)	688	MARYLAND (BCo)	

TABLE A15.3: 1985-86 EXPENDITURES OF HOWARD UNIVERSITY AND COMPETITOR INSTITUTIONS, RANKED

BUDGET SHARE--RESEARCH INCLUDED

ADMINISTRATIVE		STUDENT SERVICES		INSTITUTIONAL SUPPORT		ACADEMIC SUPPORT	
SPELMAN	36.7	SPELMAN	10.7	MOREHOUSE	24.6	FLORIDA A & M	10.3
CLARK	33.8	XAVIER	9.2	CLARK	24.2	TEMPLE	9.0
MOREHOUSE	33.4	MOREHOUSE	8.2	SPELMAN	22.9	NC A & T	8.7
XAVIER	29.9	HAMPTON	7.9	XAVIER	17.3	VIRGINIA	7.4
HOWARD	26.2	MARYLAND (BCo)	6.8	HOWARD	16.3	MICHIGAN (AA)	6.6
FLORIDA A & M	25.9	CLARK	6.8	MORGAN STATE	15.8	HOWARD	4.5
MORGAN STATE	25.0	MORGAN STATE	6.6	HAMPTON	13.9	RUTGERS	4.1
TEMPLE	24.2	HOWARD	5.4	MARYLAND (BCo)	12.0	MARYLAND (CP)	3.7
HAMPTON	24.2	RUTGERS	5.4	TEMPLE	11.8	XAVIER	3.5
NC A & T	21.0	FLORIDA A & M	5.1	FLORIDA A & M	10.5	MICHIGAN STATE	3.3
MARYLAND (BCo)	18.8	MARYLAND (CP)	4.1	RUTGERS	9.2	SPELMAN	3.1
RUTGERS	18.7	MICHIGAN (AA)	4.1	NC A & T	8.8	CLARK	2.8
VIRGINIA	17.9	VIRGINIA	4.1	MARYLAND (CP)	7.3	MORGAN STATE	2.6
MICHIGAN (AA)	16.3	NC A & T	3.5	VIRGINIA	6.4	HAMPTON	2.4
MARYLAND (CP)	15.1	TEMPLE	3.4	MICHIGAN STATE	6.1	MOREHOUSE	0.6
MICHIGAN STATE	12.4	MICHIGAN STATE	2.9	MICHIGAN (AA)	5.6	MARYLAND (BCo)	0.0

BUDGET SHARE--RESEARCH EXCLUDED

ADMINISTRATIVE		STUDENT SERVICES		INSTITUTIONAL SUPPORT		ACADEMIC SUPPORT	
SPELMAN	38.0	SPELMAN	11.0	MOREHOUSE	25.6	FLORIDA A & M	11.3
MOREHOUSE	34.7	XAVIER	9.6	CLARK	24.2	TEMPLE	9.8
CLARK	33.8	HAMPTON	8.6	SPELMAN	23.7	NC A & T	9.7
XAVIER	31.2	MOREHOUSE	8.5	XAVIER	18.0	VIRGINIA	9.2
FLORIDA A & M	28.2	MARYLAND (BCo)	7.2	HOWARD	17.3	MICHIGAN (AA)	8.8
HOWARD	27.8	MORGAN STATE	7.0	MORGAN STATE	17.0	HOWARD	4.8
MORGAN STATE	26.7	CLARK	6.8	HAMPTON	15.2	RUTGERS	4.8
HAMPTON	26.5	RUTGERS	6.2	TEMPLE	12.9	MARYLAND (CP)	4.7
TEMPLE	26.4	HOWARD	5.8	MARYLAND (BCo)	12.8	MICHIGAN STATE	4.2
NC A & T	23.4	FLORIDA A & M	5.5	FLORIDA A & M	11.4	XAVIER	3.6
VIRGINIA	22.1	MICHIGAN (AA)	5.4	RUTGERS	10.7	SPELMAN	3.2
MICHIGAN (AA)	21.7	MARYLAND (CP)	5.3	NC A & T	9.8	CLARK	2.8
RUTGERS	21.7	VIRGINIA	5.1	MARYLAND (CP)	9.4	MORGAN STATE	2.7
MARYLAND (BCo)	20.0	NC A & T	3.9	VIRGINIA	7.9	HAMPTON	2.7
MARYLAND (CP)	19.5	TEMPLE	3.7	MICHIGAN STATE	7.6	MOREHOUSE	0.6
MICHIGAN STATE	15.4	MICHIGAN STATE	3.7	MICHIGAN (AA)	7.5	MARYLAND (BCo)	0.0

TABLE A15.3: 1985-86 EXPENDITURES OF HOWARD UNIVERSITY AND COMPETITOR INSTITUTIONS, RANKED

DOLLARS PER FTE

SCHOLARSHIP		RESEARCH		PUBLIC SERVICE		PLANT OP.MA MAND ED TRA	
XAVIER	$1,878	MICHIGAN (AA)	$4,533	HOWARD	$1,725	HOWARD	$3,
CLARK	1,524	VIRGINIA	2,716	MICHIGAN STATE	1,400	MICHIGAN (AA)	2,
SPELMAN	1,384	MICHIGAN STATE	2,243	MARYLAND (CP)	672	FLORIDA A & M	1,
MICHIGAN (AA)	1,342	MARYLAND (CP)	2,104	NC A & T	500	TEMPLE	1,
FLORIDA A & M	1,328	RUTGERS	1,345	RUTGERS	468	HAMPTON	1,
MOREHOUSE	1,206	HOWARD	1,332	FLORIDA A & M	439	RUTGERS	1,
VIRGINIA	1,155	FLORIDA A & M	988	CLARK	389	MORGAN STATE	1,
HOWARD	1,135	NC A & T	945	TEMPLE	336	NC A & T	1,
MORGAN STATE	1,116	TEMPLE	922	HAMPTON	293	VIRGINIA	1,
NC A & T	934	HAMPTON	697	MICHIGAN (AA)	263	MARYLAND (CP)	1,
HAMPTON	912	MORGAN STATE	635	VIRGINIA	235	MARYLAND (BCo)	
TEMPLE	901	MARYLAND (BCo)	425	SPELMAN	93	XAVIER	
MARYLAND (BCo)	603	XAVIER	382	XAVIER	46	MICHIGAN STATE	
MICHIGAN STATE	595	SPELMAN	267	MARYLAND (BCo)	4	MOREHOUSE	
MARYLAND (CP)	455	MOREHOUSE	233	MOREHOUSE	0	CLARK	
RUTGERS	431	CLARK	0	MORGAN STATE	0	SPELMAN	

TABLE A15.3: 1985-86 EXPENDITURES OF HOWARD UNIVERSITY AND COMPETITOR INSTITUTIONS, RANKED

BUDGET SHARE--RESEARCH INCLUDED

SCHOLARSHIP		RESEARCH		PUBLIC SERVICE		PLANT OP,MAI MAND ED TRAN	
XAVIER	20.3	MICHIGAN (AA)	24.7	MICHIGAN STATE	12.3	HAMPTON	17.
CLARK	19.8	MARYLAND (CP)	22.4	HOWARD	7.6	MARYLAND (BCo)	14
MOREHOUSE	19.5	MICHIGAN STATE	19.7	MARYLAND (CP)	7.1	HOWARD	13.
SPELMAN	17.2	VIRGINIA	19.2	NC A & T	5.4	RUTGERS	13.
MORGAN STATE	11.6	RUTGERS	13.8	CLARK	5.0	FLORIDA A & M	13.
HAMPTON	11.5	NC A & T	10.2	RUTGERS	4.8	MORGAN STATE	13
FLORIDA A & M	11.0	HAMPTON	8.8	HAMPTON	3.7	MOREHOUSE	12.
NC A & T	10.1	FLORIDA A & M	8.2	FLORIDA A & M	3.7	TEMPLE	12.
MARYLAND (BCo)	9.0	TEMPLE	8.1	TEMPLE	3.0	MICHIGAN (AA)	12.
VIRGINIA	8.2	MORGAN STATE	6.6	VIRGINIA	1.7	NC A & T	12
TEMPLE	7.9	MARYLAND (BCo)	6.3	MICHIGAN (AA)	1.4	MARYLAND (CP)	11
MICHIGAN (AA)	7.3	HOWARD	5.8	SPELMAN	1.2	XAVIER	10
MICHIGAN STATE	5.2	XAVIER	4.1	XAVIER	0.5	CLARK	9
HOWARD	5.0	MOREHOUSE	3.8	MARYLAND (BCo)	0.1	SPELMAN	8
MARYLAND (CP)	4.8	SPELMAN	3.3	MOREHOUSE	0.0	VIRGINIA	7
RUTGERS	4.4	CLARK	0.0	MORGAN STATE	0.0	MICHIGAN STATE	7

BUDGET SHARE--RESEARCH EXCLUDED

SCHOLARSHIP		RESEARCH		PUBLIC SERVICE		PLANT OP,MAI MAND ED TRAN	
XAVIER	21.1	RUTGERS	N/A	MICHIGAN STATE	15.4	HAMPTON	18
MOREHOUSE	20.2	TEMPLE	N/A	MARYLAND (CP)	9.2	MICHIGAN (AA)	16
CLARK	19.8	NC A & T	N/A	HOWARD	8.0	RUTGERS	15
SPELMAN	17.8	MICHIGAN (AA)	N/A	NC A & T	6.0	MARYLAND (BCo)	15
HAMPTON	12.6	MICHIGAN STATE	N/A	RUTGERS	5.6	HOWARD	14
MORGAN STATE	12.5	MARYLAND (BCo)	N/A	CLARK	5.0	FLORIDA A & M	14
FLORIDA A & M	12.0	XAVIER	N/A	HAMPTON	4.0	MARYLAND (CP)	14
NC A & T	11.2	CLARK	N/A	FLORIDA A & M	4.0	MORGAN STATE	14
VIRGINIA	10.1	MARYLAND (CP)	N/A	TEMPLE	3.2	TEMPLE	13
MICHIGAN (AA)	9.7	FLORIDA A & M	N/A	VIRGINIA	2.1	NC A & T	13
MARYLAND (BCo)	9.6	HOWARD	N/A	MICHIGAN (AA)	1.9	MOREHOUSE	13
TEMPLE	8.7	HAMPTON	N/A	SPELMAN	1.2	XAVIER	10
MICHIGAN STATE	6.5	VIRGINIA	N/A	XAVIER	0.5	CLARK	9
MARYLAND (CP)	6.2	MORGAN STATE	N/A	MARYLAND (BCo)	0.1	MICHIGAN STATE	9
HOWARD	5.3	MOREHOUSE	N/A	MOREHOUSE	0.0	VIRGINIA	9
RUTGERS	5.1	SPELMAN	N/A	MORGAN STATE	0.0	SPELMAN	8

TABLE A15.3: 1985-86 EXPENDITURES OF HOWARD UNIVERSITY AND COMPETITOR INSTITUTIONS, RANKED

DOLLARS PER FTE

	TOTAL E & G EXPENDITURES		TOTAL E & G EXP LESS RESEARCH
HOWARD	$22,843	HOWARD	$21,511
MICHIGAN (AA)	18,354	MICHIGAN (AA)	13,821
VIRGINIA	14,131	VIRGINIA	11,415
FLORIDA A & M	12,021	FLORIDA A & M	11,033
MICHIGAN STATE	11,361	TEMPLE	10,414
TEMPLE	11,337	MICHIGAN STATE	9,118
RUTGERS	9,763	MORGAN STATE	8,959
MORGAN STATE	9,594	XAVIER	8,881
MARYLAND (CP)	9,399	RUTGERS	8,418
XAVIER	9,263	NC A & T	8,303
NC A & T	9,248	SPELMAN	7,796
SPELMAN	8,063	CLARK	7,713
HAMPTON	7,933	MARYLAND (CP)	7,295
CLARK	7,713	HAMPTON	7,236
MARYLAND (BCo)	6,723	MARYLAND (BCo)	6,298
MOREHOUSE	6,199	MOREHOUSE	5,966

Table A16
HOWARD UNIVERSITY AND SELECTED PRIVATE INSTITUTIONS WITH HOSPITALS

FACULTY CHARACTERISTICS, 1988-89

INSTITUTION	NUMBER OF FULL-TIME FACULTY	PERCENT OF FULL-TIME FACULTY WITH PH.D.S	NUMBER OF PART-TIME FACULTY	PERCENT OF PART-TIME FACULTY	RATIO OF FTE STUDENTS TO FULL-TIME FACULTY
HOWARD	1,174	0.78	703	0.37	8.2
CASE WESTERN RESERVE	1,263	0.98	200	0.14	4.3
CHICAGO	1,166	0.96			7.4
DUKE	1,401	0.96	1,700	0.55	6.8
EMORY	1,420	0.99	251	0.15	4.9
GEORGETOWN					
JOHNS HOPKINS	342	0.99	63	0.16	19.0
ROCHESTER	555		81	0.13	13.1
STANFORD	1,290		45	0.03	9.2
TULANE	885	0.98	308	0.26	10.7
VANDERBILT	1,274	0.96	954	0.43	6.3
YALE	2,003		319	0.14	5.2

FACULTY COMPENSATION, 1987-88

INSTITUTION	FULL PROFESSOR	ASSOCIATE PROFESSOR	ASSISTANT PROFESSOR	INSTRUCTOR
HOWARD	$56,300	$42,600	$35,500	$29,900
CASE WESTERN RESERVE	67,600	49,600	39,500	36,700
CHICAGO	78,600	51,400	43,400	32,900
DUKE	76,400	52,900	40,500	
EMORY				
GEORGETOWN	78,800	54,300	38,900	31,000
JOHNS HOPKINS	74,500	51,900	44,100	35,700
ROCHESTER	69,500	50,100	41,800	31,300
STANFORD	84,300	61,700	50,600	
TULANE	64,800	47,800	37,300	27,600
VANDERBILT	72,400	51,300	42,100	35,700
YALE	81,500	48,900	38,600	34,800

SOURCES: 1988-89, THE COLLEGE BOARD'S ANNUAL SURVEY OF COLLEGES.
1987-88, AMERICAN ASSOCIATION OF UNIVERSITY PROFESSORS' ANNUAL REPORT ON THE ECONOMIC STATUS OF THE PROFESSION.

TABLE A17
HOWARD UNIVERSITY AND PUBLIC INSTITUTIONS WITH HOSPITALS

FACULTY CHARACTERISTICS, 1988-89

INSTITUTION	NUMBER OF FULL-TIME FACULTY	PERCENT OF FULL-TIME FACULTY WITH PH.D.S	NUMBER OF PART-TIME FACULTY	PERCENT OF PART-TIME FACULTY	RATIO FTE STUDENTS FULL-TIME FACUL
HOWARD	1,174	0.78	703	0.37	8
IU/PURDUE (INDIANAPOLIS)	1,220	0.46	712	0.37	7
CINCINNATI	2,324	0.73	1016	0.30	9
KENTUCKY	1,509	0.97	370	0.20	10
ILLINOIS (CHICAGO)	1,849		884	0.32	11
ALABAMA (BIRMINGHAM)	1,585	0.80	140	0.08	6
TEMPLE	1,683	0.83	826	0.33	13
UTAH	3,472	0.90			5
CALIFORNIA (IRVINE)	805		197	0.20	17
VIRGINIA COMMONWEALTH	1,491		394	0.21	10
MISSOURI (COLUMBIA)	1,515	0.83	26	0.02	1:
N DAKOTA (GRAND FORKS)	480	0.70	79	0.14	2(

FACULTY COMPENSATION, 1987-88

INSTITUTION	FULL PROFESSOR	ASSOCIATE PROFESSOR	ASSISTANT PROFESSOR	INSTRUCTOR
HOWARD	$56,300	$42,600	$35,500	$29,900
IU/PURDUE (INDIANAPOLIS)	51,100	41,400	32,400	21,600
CINCINNATI	65,500	49,400	38,400	28,600
KENTUCKY	55,600	41,700	36,100	33,300
ILLINOIS (CHICAGO)	57,000	40,400	35,100	26,500
ALABAMA (BIRMINGHAM)	56,200	43,100	35,900	29,600
TEMPLE	59,400	47,300	39,900	33,600
UTAH	59,100	43,600	38,400	32,900
CALIFORNIA (IRVINE)	71,900	50,800	45,800	
VIRGINIA COMMONWEALTH	60,300	49,800	42,100	32,000
MISSOURI (COLUMBIA)	52,600	40,400	36,000	26,500
N DAKOTA (GRAND FORKS)	43,700	36,200	32,700	22,800

SOURCES: 1988-89, THE COLLEGE BOARD'S ANNUAL SURVEY OF COLLEGES.
1987-88, AMERICAN ASSOCIATION OF UNIVERSITY PROFESSORS' ANNUAL REPORT ON THE ECONOMIC STATUS OF THE PROFESSION.

TABLE A18
HOWARD UNIVERSITY AND COMPETITOR INSTITUTIONS

FACULTY CHARACTERISTICS, 1988-89

INSTITUTION	NUMBER OF FULL-TIME FACULTY	PERCENT OF FULL-TIME FACULTY WITH PH.D.S	NUMBER OF PART-TIME FACULTY	PERCENT PART-TIME FACULTY	RATIO OF FTE STUDENTS TO FULL-TIME FACULTY
HOWARD	1,174	0.78	703	0.37	8.2
MICHIGAN STATE	3,520	0.64	326	0.08	11.1
MICHIGAN	2,995	0.86	751	0.20	11.1
RUTGERS					
NC A & T	389	0.49	60	0.13	14.1
CLARK	100	0.43	20	0.17	
FLORIDA A & M	345	0.60	15	0.04	13.8
HAMPTON	246		102	0.29	18.4
MOREHOUSE	118	0.56	15	0.11	
MORGAN STATE	209	0.60	80	0.28	14.6
SPELMAN	109	0.76	58	0.35	16.1
MARYLAND (BCo)	966	0.90	305	0.24	3.9
MARYLAND (CP)	1,972	0.79	562	0.22	14.4
VIRGINIA	1,845	0.80	208	0.10	8.9
XAVIER	130	0.62	50	0.28	14.3
TEMPLE	1,683	0.83	826	0.33	13.9

FACULTY COMPENSATION, 1987-88

INSTITUTION	FULL PROFESSOR	ASSOCIATE PROFESSOR	ASSISTANT PROFESSOR	INSTRUCTOR
HOWARD	$56,300	$42,600	$35,500	$29,900
MICHIGAN STATE	62,600	48,400	41,000	31,100
MICHIGAN	71,200	55,000	46,000	30,000
RUTGERS	73,100	53,700	42,400	31,400
NC A & T	51,400	44,200	37,500	32,400
CLARK				
FLORIDA A & M				
HAMPTON				
MOREHOUSE				
MORGAN STATE				
SPELMAN				
MARYLAND (BCo)	66,200	48,500	39,300	29,800
MARYLAND (CP)	69,600	50,000	40,100	31,000
VIRGINIA	76,100	52,700	42,700	31,600
XAVIER	31,100	27,900	24,200	21,400
TEMPLE	59,400	47,300	39,900	33,600

SOURCE: 1988-89, THE COLLEGE BOARD'S ANNUAL SURVEY OF COLLEGES.
1987-88, AMERICAN ASSOCIATION OF UNIVERSITY PROFESSORS' ANNUAL REPORT ON THE ECONOMIC STATUS OF THE PROFESSION.

Table A19
HOWARD UNIVERSITY AND HBCUS
FACULTY CHARACTERISTICS, 1988-89

INSTITUTION	NUMBER OF FULL-TIME FACULTY	PERCENT OF FULL-TIME FACULTY WITH PH.D.S	NUMBER OF PART-TIME FACULTY	PERCENT PART-TIME FACULTY	RATIO OF FTE STUDENTS TO FULL-TIME FACULTY
HOWARD	1,174	0.78	703	0.37	8.2
JACKSON STATE	374	0.56	83	0.18	15.1
TUSKEGEE	286	0.58	21	0.07	10.6
BETHUNE-COOKMAN	122	0.48	80	0.40	15.0
FLORIDA MEMORIAL	60	0.70	30	0.33	
NORFOLK STATE	350	0.55	101	0.22	19.0
UDC	508	0.43	200	0.28	14.6
ARKANSAS (LR)	457	0.57	214	0.32	14.7
TEXAS SOUTHERN	375	0.54	39	0.09	
XAVIER	130	0.62	50	0.28	14.3
MOREHOUSE	118	0.56	15	0.11	
HAMPTON	246		102	0.29	18.4
SPELMAN	109	0.76	58	0.35	16.1
NC A & T	389	0.49	60	0.13	14.1
FLORIDA A & M	345	0.60	15	0.04	13.8

FACULTY COMPENSATION, 1987-88

INSTITUTION	FULL PROFESSOR	ASSOCIATE PROFESSOR	ASSISTANT PROFESSOR	INSTRUCTOR
HOWARD	$56,300	$42,600	$35,500	$29,900
JACKSON STATE	39,600	36,300	31,700	27,400
TUSKEGEE	36,600	31,100	28,300	23,100
BETHUNE-COOKMAN	29,400	25,900	21,900	19,600
FLORIDA MEMORIAL				
NORFOLK STATE	49,700	43,700	35,000	27,400
UDC				
ARKANSAS (LR)	49,600	40,500	33,500	26,700
TEXAS SOUTHERN	45,200	41,000	29,000	23,600
XAVIER	31,100	27,900	24,200	21,400
MOREHOUSE				
HAMPTON				
SPELMAN				
NC A & T	51,400	44,200	37,500	32,400
FLORIDA A & M				

SOURCES: 1988-89, THE COLLEGE BOARD'S ANNUAL SURVEY OF COLLEGES.
1987-88, AMERICAN ASSOCIATION OF UNIVERSITY PROFESSORS' ANNUAL REPORT ON THE ECONOMIC STATUS OF THE PROFESSION.